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División de Ciencias Básicas e Ingeniería
Licenciatura en Ingeniería en Computación

Cálculo de flujos elegantes en gráficas triconexas

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Resumen

En las matemáticas y en la computación las gráficas tienen diferentes aplicaciones, con ellas se pueden representar soluciones o problemas como una red de computadoras, circuitos secuenciales, líneas de autobuses en una ciudad, representaciones de calles o ciudades, etc.

Las gráficas son representaciones que se plantean en la vida real y con una serie de fórmulas y algoritmos nos llevan a encontrar soluciones óptimas más rápido.

Este reporte trata de dar solución al problema que fue planteado por el Dr. Eduardo Rivera Campos de la UAM Iztapalapa en el “XXVII Coloquio Víctor Neumann-Lara de Teoría de la Gráficas, Combinatoria y sus Aplicaciones”, el cual trata a una gráfica $G = (V, A)$ que cumplan con dos propiedades que sean 3-regular o 3-conexa, para así poder calcular un flujo elegante. Un flujo elegante es una gráfica dirigida con pesos en sus aristas, donde cada arista tiene un peso diferente y la suma de las aristas que entran a un vértice i es igual a la suma de las aristas que salen del vértice i .

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1. Objetivos

1.1. Objetivo general

- Diseñar e implementar un algoritmo que encuentre flujos elegantes en gráficas triconexas.

1.2. Objetivos específicos

- Diseñar e implementar un algoritmo que decida si una gráfica triconexa y 3-regular tiene un flujo elegante.
- Diseñar e implementar un algoritmo que decida si una gráfica triconexa tiene un flujo elegante.
- Implementar un módulo que permita dibujar el flujo elegante encontrado en las gráficas.

2. Introducción

Una gráfica regular es una gráfica donde cada vértice tiene el mismo grado. Una gráfica regular con vértices de grado tres es llamada gráfica 3-regular o gráfica cúbica. Ver figura 1.

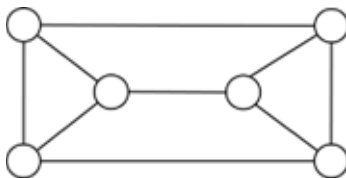


Figura 1: Gráfica 3-regular.

Una gráfica es triconexa o 3-conexa si y sólo si para cualquiera dos vértices de la gráfica, existen tres caminos sin aristas en común.

Una gráfica dirigida G consta de un conjunto V de vértices y un conjunto A aristas tales que cada arista $e \in A$ se asocia con un par ordenado de vértices.

Un flujo x definido sobre una gráfica dirigida G es un etiquetado de aristas de G con enteros donde para cada vértice v de G , la suma de las etiquetas que llegan a v es igual a la suma de las etiquetas que salen de v .

Una numeración elegante es un etiquetado en el que todas las aristas tienen diferentes pesos en el intervalo entero $[1, |A|]$. Un flujo elegante es una numeración elegante que además es un flujo. Es condición necesaria, aunque no suficiente, que una gráfica sea triconexa para que dicha gráfica tenga un flujo elegante. Ver figura 2.

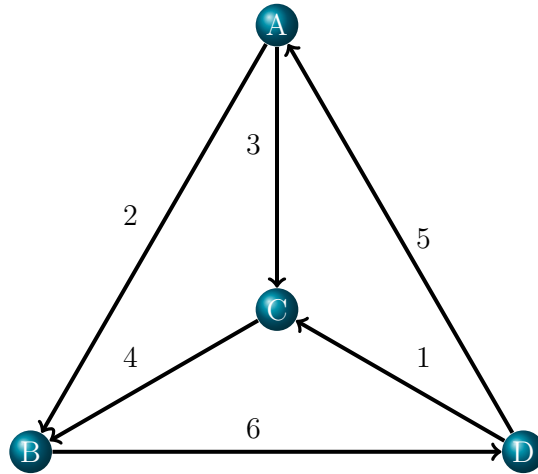


Figura 2: Flujo elegante en una gráfica.

3. Desarrollo

3.1. Algoritmo para gráficas triconecas y 3- regulares

Este algoritmo toma una gráfica $G = (V, A)$ y revisa que todos los vértices cumplan con la propiedad de que sea 3-regular. Una vez que se confirme la 3-regularidad entonces calcula los flujos elegantes que tiene la gráfica G .

3.1.1. Implementación

1. Verificar que G sea 3-regular.
2. Almacenar en una cola de prioridad los vértices de G . El criterio de prioridad de la cola es el siguiente: los vértices están ordenados conforme al número de aristas que aún no tienen un peso y sentido asignado.
3. Sacar de la cola el vértice con mayor prioridad.
4. Si el vértice tiene todas sus aristas con peso y sentido ya asignadas entonces verificar que los pesos de las aristas y sus direcciones cumplan con el criterio de flujo.
5. Si no asignar un peso y una dirección a las aristas que falten. Si sólo falta una, verificar a su vez que su asignación sea posible.
6. Si la asignación de pesos y sentidos es correcta hasta el momento ejecutar recursivamente el paso 2. Una vez terminada la recursión intentar otra asignación con pesos y sentidos diferentes.

3.2. Algoritmo para gráficas triconexas

Este algoritmo toma una gráfica $G = (V, A)$ asume que es triconexa. Ya que la gráfica es más general que en el algoritmo anterior, en este algoritmo se calculan las asignaciones de pesos y direcciones mediante permutaciones. Una permutación se aborta cuando las aristas ya asignadas no pueden cumplir con la propiedad de flujo elegante.

3.3. Script generador de gráficas de Petersen

La salida de los dos programas 3-regular y 3-conexa, genera la salida de las aristas con su peso y dirección. Esa salida se guarda en un archivo de texto. Para la generación de las gráficas con sus diferentes flujos elegantes, se toma como plantilla el código en tikz que genera los vertices de la gráfica original de la cual se calcularon los flujos.

```
1 \begin{tikzpicture}[
2   vertex_style/.style={circle, shading=ball, ball color=ForestGreen, draw=none, text=
3     white},
4   edge_style/.style={ultra thick, black}]
5
6   \begin{scope}[rotate=90]
7     \foreach \x/\y in {0/B,72/E,144/G,216/H,288/F}{
8       \node[vertex_style] (\y) at (canvas polar cs: radius=1.5cm, angle=\x){\y};
9     }
10    \foreach \x/\y in {0/A,72/C,144/I,216/J,288/D}{
11      \node[vertex_style] (\y) at (canvas polar cs: radius=3cm, angle=\x){\y};
12    }
13  \end{scope}
14 \end{tikzpicture}
```

Es posible evaluar la plantilla múltiples veces para dibujar los diferentes flujos elegantes encontrados por los algoritmos.

4. Resultados

Se calcularon los flujos de las siguientes gráficas.

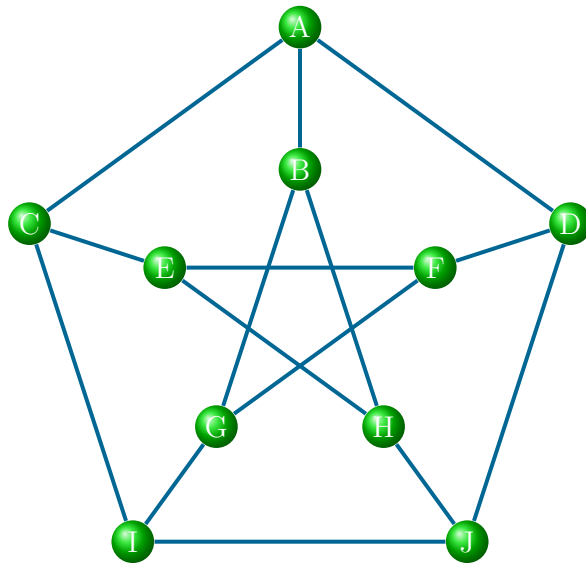


Figura 3: Gráfica de Petersen.

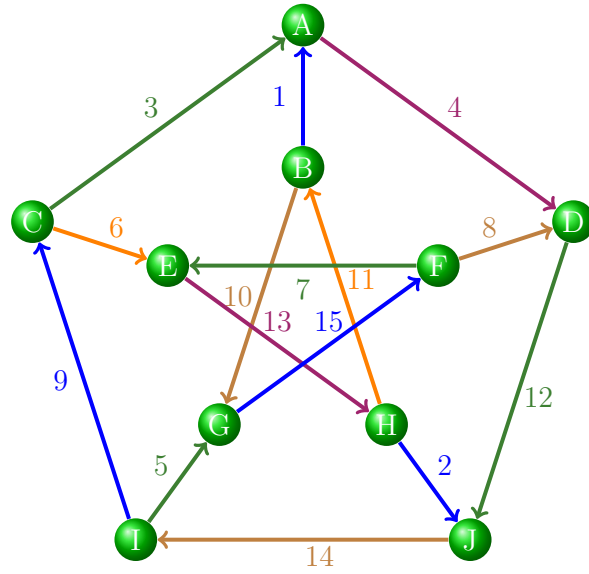


Figura 4: Gráfica de Petersen con flujo elegante.

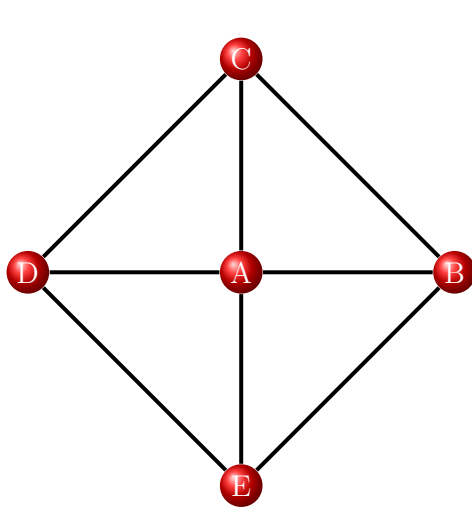


Figura 5: Gráfica $G = (5, 8)$.

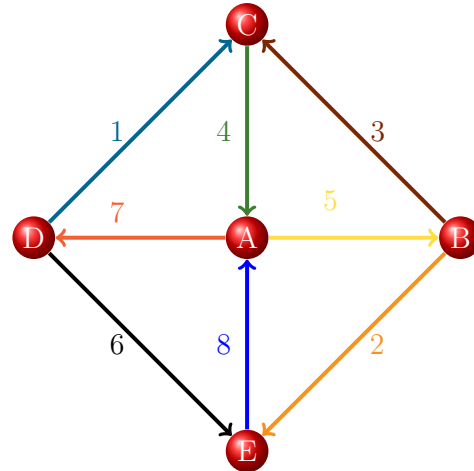


Figura 6: Gráfica $G = (5, 8)$ con flujo elegante.

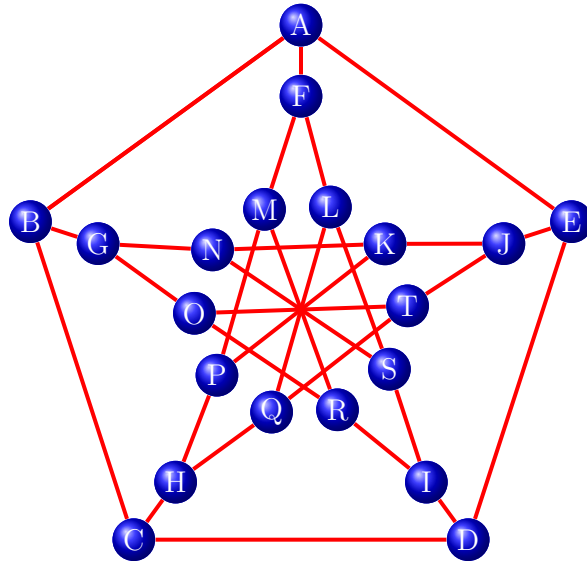


Figura 7: Gráfica $G = (20, 30)$.

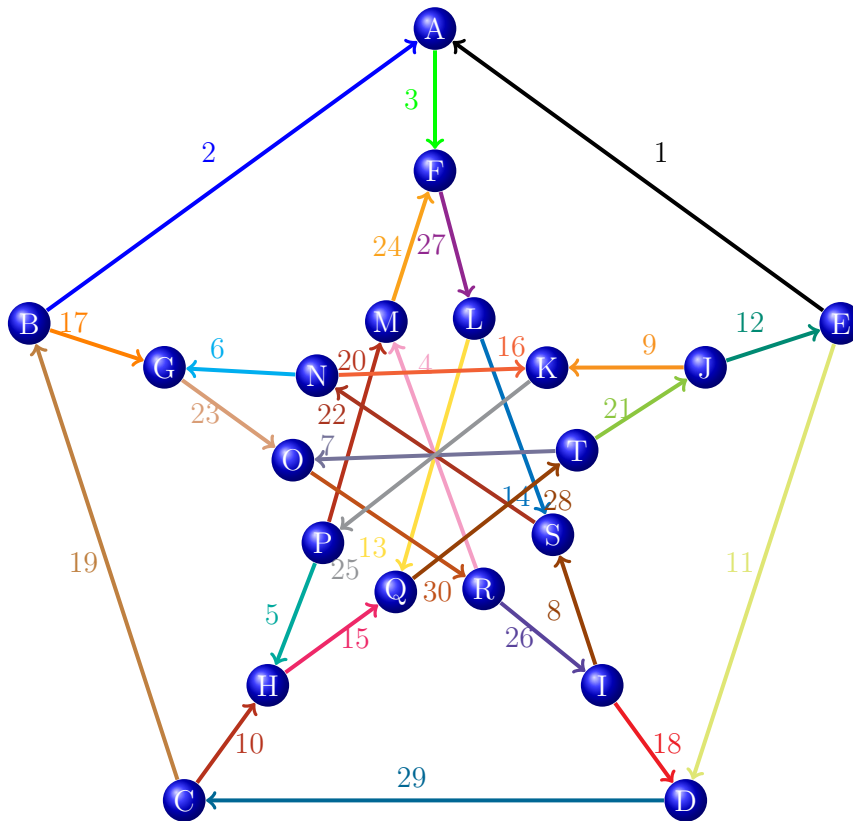


Figura 8: Gráfica $G = (20, 30)$ con flujo elegante.

A continuación se presenta la tabla de tiempos de ambos algoritmos ejecutando las diferentes gráficas.

Gráfica	3-regular	3-conexa
Gráfica de Petersen	6.523s	30.212s
$G = (5, 8)$	-	0.022s
$G = (20, 30)$	8hr aprox.	14hr aprox.

Tabla 1: Resultados.

Se puede destacar que calcular flujos para gráficas muy pequeñas es muy rápido, es decir con pocos vértices y aristas. En la gráfica de Petersen las asignaciones de los pesos en las aristas y direcciones varía en ambos algoritmos.

3-regular	3-conexa
11448563	118908503

Tabla 2: Número de asignaciones de pesos y sentidos a aristas.

Como se puede observar el primer algoritmo realiza una menor cantidad de asignaciones, ya que al momento de que un vértice tiene procesadas dos aristas entonces la tercera es obligada a la suma de ambas y si el peso esta disponible entonces se continua con el calculo, en caso contrario se termina su asignación.

5. Conclusiones

Al verificar si la gráfica de Petersen tenía o no un flujo elegante, los algoritmos calcularon un total 1200 gráficas diferentes pero hay que resaltar que debido al *isomorfismo* existen gráficas con flujos equivalentes. La gráfica de Petersen cumplía con las propiedades de los dos algoritmos ya que es 3-regular y triconexa, al hacer las pruebas el tiempo de ejecución varió ya que el algoritmo que requiere 3-regularidad hace menos operaciones que el algoritmo que sólo pide triconexidad.

La diferencia fundamental entre el primer algoritmo es que solo funciona para gráficas 3-regulares, mientras que en el segundo algoritmo funciona cuando el grado de la gráfica es mayor o igual a 3. Sin embargo en ambos casos si el número de aristas de la gráfica es muy grande este puede tardar demasiado en calcular todos los flujos que se tenga en ella, ya que esta basado en permutaciones. En retrospectiva, como el segundo algoritmo se implementó antes que el primer algoritmo sería posible mejorar el segundo algoritmo usando la misma técnica de la cola de prioridad, aunque ligeramente seguiría siendo más complicado.

Referencias

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- [2] C. A. Olaguibert Segura, “*Generación de polígonos con triangulaciones ortogonales*”, proyecto terminal, División de Ciencias Básicas e Ingeniería, Universidad Autónoma Metropolitana Azcapotzalco, México, 2009.
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- [5] Joseph A. Gallian, “*A Dynamic Survey of Graph Labeling*”, University of Minnesota Duluth, 2005.
- [6] E. Rivera Campo, “*Intercambiando aristas en gráficas elegantes*”, Aportaciones Matemáticas Serie Comunicaciones 1, pp. 349-359, 1986.

A. Código 3-regular

```
1 #include <algorithm>
2 #include <cstdlib>
3 #include <iostream>
4 #include <set>
5 #include <utility>
6 #include <vector>
7
8 int nVertex;
9 int nEdges;
10 int nFlujos;
11
12 struct arista {
13     int peso;
14     int n1, n2;
15 };
16
17 std::vector<arista> InfoEdges;
18 std::vector<std::vector<int>> InfoVertex;
19 std::vector<bool> Weight;
20 std::vector<int> VerticesCompletos;
21
22 struct Criterio{
23     bool operator()(int i, int j) const{
24         if (VerticesCompletos[i] != VerticesCompletos[j]){
25             return VerticesCompletos[i] < VerticesCompletos[j];
26         }
27         return i < j;
28     }
29 };
30
31 std::set<int, Criterio> Faltantes;
32
33 bool validaGrado()
34 {
35     for (const auto& aristas : InfoVertex){
36         if (aristas.size( ) != 3){
37             return false;
38         }
39     }
40     return true;
41 }
42
43 void genera( )
44 {
45     if (Faltantes.empty( )) {
46         ++nFlujos;
47
48         /*Imprime flujo*/
49         std::cout << "—" << '\n';
50         for (auto t : InfoEdges){
51             if (t.peso > 0){
52                 std::cout << t.n1 << '_' << t.n2 << '_' << t.peso << '_' << '0' << '\n';
53             }
54             else{
55                 std::cout << t.n1 << '_' << t.n2 << '_' << std::abs(t.peso) << '_' << '1'
56                     << '\n';
57             }
58         }
59     }
60     return;
61 }
62
63
64 int Vertice1 = *Faltantes.begin( );
65
66 if (VerticesCompletos[Vertice1] == 0){
67     int suma = 0;
68     for (const auto& t : InfoVertex[Vertice1]){
```

```

69         suma += (InfoEdges[t].n1 == Vertice1 ? InfoEdges[t].peso : -InfoEdges[t].peso
70     );
71 }
72 if (suma == 0){
73     Faltantes.erase(Faltantes.begin( ));
74     genera( );
75     Faltantes.insert(Vertice1);
76 }
77
78 return;
79 }
80
81 if (VerticesCompletos[Vertice1] == 1){
82     int suma = 0;
83     int arista;
84     int Vertice2;
85     for (const auto& t : InfoVertex[Vertice1]){
86         if (InfoEdges[t].peso == 0){
87             arista = t;
88             Vertice2 = (InfoEdges[arista].n1 == Vertice1 ? InfoEdges[arista].n2 :
89                 InfoEdges[arista].n1);
90             suma += (InfoEdges[t].n1 == Vertice1 ? InfoEdges[t].peso : -InfoEdges[t].peso
91                 );
92         }
93     }
94     if (std::abs(suma) <= nEdges && !Weight[std::abs(suma)]){
95         Weight[std::abs(suma)] = true;
96         InfoEdges[arista].peso = -suma;
97
98         Faltantes.erase(Faltantes.begin( ));
99         Faltantes.erase(Faltantes.find(Vertice2));
100
101         --VerticesCompletos[Vertice1];
102         --VerticesCompletos[Vertice2];
103         Faltantes.insert(Vertice2);
104
105         genera( );
106
107         Faltantes.erase(Faltantes.find(Vertice2));
108         ++VerticesCompletos[Vertice1];
109         ++VerticesCompletos[Vertice2];
110
111         Faltantes.insert(Vertice1);
112         Faltantes.insert(Vertice2);
113
114         Weight[std::abs(suma)] = false;
115         InfoEdges[arista].peso = 0;
116     }
117 }
118
119 int Vertice2;
120 int arista;
121 for (auto j : InfoVertex[Vertice1]){
122     if (InfoEdges[j].peso == 0){
123         Vertice2 = (InfoEdges[j].n1 == Vertice1 ? InfoEdges[j].n2 : InfoEdges[j].n1);
124         arista = j;
125         break;
126     }
127 }
128 Faltantes.erase(Faltantes.find(Vertice1));
129 Faltantes.erase(Faltantes.find(Vertice2));
130
131 --VerticesCompletos[Vertice1];
132 --VerticesCompletos[Vertice2];
133
134 Faltantes.insert(Vertice1);
135 Faltantes.insert(Vertice2);
136
137 for (int i = 1; i <= nEdges; ++i){
138     if (!Weight[i]){

```

```

139         Weight[i] = true;
140
141         InfoEdges[arista].peso = -i;
142         genera( );
143
144         InfoEdges[arista].peso = i;
145         genera( );
146
147         Weight[i] = false;
148         InfoEdges[arista].peso = 0;
149     }
150 }
151
152 Faltantes.erase(Faltantes.find(Vertice1));
153 Faltantes.erase(Faltantes.find(Vertice2));
154
155 ++VerticesCompleto[Vertice1];
156 ++VerticesCompleto[Vertice2];
157
158 Faltantes.insert(Vertice1);
159 Faltantes.insert(Vertice2);
160
161 return;
162 }
163
164
165 int main ( )
166 {
167     std::cin >> nVertex >> nEdges;
168
169     InfoEdges.resize(nEdges);
170     InfoVertex.resize(nVertex);
171     Weight.resize(nEdges+1, false);
172     VerticesCompleto.resize(nVertex, 3);
173
174     for (auto i = 0; i < nEdges; ++i){
175         InfoEdges[i].peso = 0;
176         std::cin >> InfoEdges[i].n1 >> InfoEdges[i].n2;
177
178         InfoVertex[InfoEdges[i].n1].push_back(i);
179         InfoVertex[InfoEdges[i].n2].push_back(i);
180     }
181
182     for (int i = 0; i < nVertex; ++i) {
183         Faltantes.insert(i);
184     }
185
186     if (validaGrado()){
187         genera( );
188     }
189     std::cout << nFlujos << '\n';
190 }

```

B. Código triconexa

```
1 #include <algorithm>
2 #include <cstdlib>
3 #include <iostream>
4 #include <vector>
5
6 int nVertex;
7 int nEdges;
8 int nFlujos;
9
10 std::vector<std::pair<int, int>> InfoEdges;
11 std::vector<int>VertexDegree;
12 std::vector<int>VertexOrder;
13 std::vector<int>ProcPosition;
14 std::vector<std::vector<int>>InfoVertex;
15 std::vector<std::vector<int>>VertexComplete;
16 std::vector<int>Weight;
17 std::vector<bool>Direction;
18
19 struct criterioVertex{
20     bool operator()(int i, int j) const{
21         if (VertexDegree[i] != VertexDegree[j]){
22             return VertexDegree[i] < VertexDegree[j];
23         }
24         return i < j;
25     }
26 };
27
28 struct criterioEdges{
29     bool operator()(const std::pair<int, int> &a, const std::pair<int, int> &b) const{
30         std::pair<int, int> p1 = { ProcPosition[a.first], ProcPosition[a.second] };
31         std::pair<int, int> p2 = { ProcPosition[b.first], ProcPosition[b.second] };
32
33         return p1 < p2;
34     }
35 };
36
37 void genera (int p){
38     for (auto i : VertexComplete[p]) {
39         auto suma = 0;
40
41         for (int arista : InfoVertex[i]) {
42             suma += (InfoEdges[arista].first == i && Direction[arista] == 0 || InfoEdges[
43                 arista].second == i && Direction[arista] == 1 ? +1 : -1) * Weight[arista];
44         }
45
46         if (suma != 0){
47             return;
48         }
49     }
50
51     if (p == nEdges){
52         /*Imprime flujo*/
53         std::cout << "—————" << '\n';
54         for (int i = 0; i < nEdges; ++i) {
55             std::cout << char ('A' + InfoEdges[i].first) << ' ' << char ('A' + InfoEdges[i
56                 ].second) << ' ' << Weight[i] << ' ' << Direction[i] << '\n';
57         }
58         std::cout << '\n';
59         ++nFlujos;
60     }
61     return;
62 }
63
64
65 for (int i = p; i < nEdges; ++i){
66     std::swap(Weight[i], Weight[p]);
67     Direction[p] = false;
68     genera(p+1);

```

```

69     Direction[p] = true;
70     genera(p+1);
71     std::swap(Weight[i], Weight[p]);
72 }
73 }
74
75 int main ( )
76 {
77     std::cin >> nVertex >> nEdges;
78
79     Weight.resize(nEdges);
80     Direction.resize(nEdges);
81     InfoEdges.resize(nEdges);
82     VertexDegree.resize(nVertex);
83     InfoVertex.resize(nVertex);
84     VertexOrder.resize(nVertex);
85     ProcPosition.resize(nVertex);
86     VertexComplete.resize(nEdges + 1);
87
88     for (auto i = 0; i < nEdges; ++i){
89         Weight[i] = i + 1;
90         std::cin >> InfoEdges[i].first >> InfoEdges[i].second;
91
92         ++VertexDegree[InfoEdges[i].first];
93         ++VertexDegree[InfoEdges[i].second];
94     }
95
96     for (auto i = 0; i < nVertex; ++i){
97         VertexOrder[i] = i;
98     }
99
100    std::sort(VertexOrder.begin( ), VertexOrder.end( ), criterioVertex( ));
101
102    for (auto i = 0; i < nVertex; ++i){
103        ProcPosition[VertexOrder[i]] = i;
104    }
105
106    for (auto& arista: InfoEdges){
107        if (ProcPosition[arista.first] > ProcPosition[arista.second]){
108            std::swap(arista.first, arista.second);
109        }
110    }
111
112    std::sort(InfoEdges.begin( ), InfoEdges.end( ), criterioEdges( ));
113
114    for (auto i = 0; i < nEdges; ++i){
115        InfoVertex[InfoEdges[i].first].push_back(i);
116        InfoVertex[InfoEdges[i].second].push_back(i);
117
118        if (InfoVertex[InfoEdges[i].first].size( ) == VertexDegree[InfoEdges[i].first])
119            {
120                VertexComplete[i + 1].push_back(InfoEdges[i].first);
121            }
122        if (InfoVertex[InfoEdges[i].second].size( ) == VertexDegree[InfoEdges[i].second
123            ]) {
124                VertexComplete[i + 1].push_back(InfoEdges[i].second);
125            }
126    }
127    genera(0);
128
129    std::cout << nFlujos << '\n';
130 }

```

C. Script para dibujar gráficas

```

1 <?php
2     $filas = file('debug.txt', FILE_IGNORE_NEW_LINES);
3     $aristas = (int)$filas[0];
4     $flujos = (count($filas) - 1) / $aristas;
5     $colores = array("Apricot","Aquamarine","Bittersweet","Black","Blue","BlueGreen"
6         ,"BlueViolet","BrickRed","Brown","BurntOrange","CadetBlue","CarnationPink","
7         Cerulean","CornflowerBlue","Cyan","Dandelion","DarkOrchid","Emerald","
8         ForestGreen","Fuchsia","Goldenrod","Gray","Green","GreenYellow","JungleGreen"
9         ,"Lavender","LimeGreen","Magenta","Mahogany","Maroon","Melon","MidnightBlue",
10        "Mulberry","NavyBlue","OliveGreen","Orange","OrangeRed","Orchid","Peach","
11        Periwinkle","PineGreen","Plum","ProcessBlue","Purple","RawSienna","Red","
12        RedOrange","RedViolet","Rhodamine","RoyalBlue","RoyalPurple","RubineRed","
13        Salmon","SeaGreen","Sepia","SkyBlue","SpringGreen","Tan","TealBlue","Thistle"
14        ,"Turquoise","Violet","VioletRed","WildStrawberry","Yellow","YellowGreen","
15        YellowOrange");
16
17 ?>
18 \documentclass[11pt]{scrartcl}
19 \usepackage[utf8]{inputenc}
20 \usepackage[spanish,mexico]{babel}
21 \usepackage{graphicx}
22 \usepackage[usenames,dvipsnames]{xcolor}
23 \usepackage{float}
24 \usepackage{tikz}
25
26 \begin{document}
27 \tikzstyle{every node}=[circle, inner sep=0pt, minimum width=4pt, minimum size=6mm]
28
29 <?php
30     for ($i = 0; $i < $flujos; ++$i) {
31     ?>
32         \begin{figure}[H]
33         \centering
34         \begin{tikzpicture}[
35             vertex_style/.style={circle, shading= ball, ball color=ForestGreen, draw=none, text
36             =white},
37             edge_style/.style={ultra thick, black}]
38
39             \begin{scope}[rotate=90]
40             \foreach \x/\y in {0/B,72/E,144/G,216/H,288/F}{
41                 \node[vertex_style] (\y) at (canvas polar cs: radius=2cm, angle=\x){\y};
42             }
43             \foreach \x/\y in {0/A,72/C,144/I,216/J,288/D}{
44                 \node[vertex_style] (\y) at (canvas polar cs: radius=4cm, angle=\x){\y};
45             }
46             \end{scope}
47         \end{tikzpicture}
48         <?php
49             $flechas = array();
50             $flechas[0] = "<";
51             $flechas[1] = ">";
52             for ($j = 0; $j < $aristas; ++$j) {
53                 $datos = explode('-', $filas[$i * $aristas + $j + 1]);
54
55                 \draw[edge_style, draw=<?php echo $colores [($j+$i)%67];?>, text = <?
56                 php echo $colores [($j+$i)%67];?>, <?php echo $flechas[$datos[3]];
57                 ?>] (<?php echo $datos[0]; ?>) — node[left] {<?php echo $datos
58                 [2]; ?>} (<?php echo $datos[1]; ?>);
59
60             <?php
61             }
62         ?>
63         \end{tikzpicture}
64         \caption{Flujo <?php echo $i + 1; ?>}
65         \label{fig:flujos-<?php echo $i + 1; ?>}
66     \end{figure}
67     <?php
68         if ($i % 2 == 1) { echo "\clearpage\n"; }
69 }
70 ?>
71 \end{document}

```


D. Flujos elegantes en la gráfica de Petersen

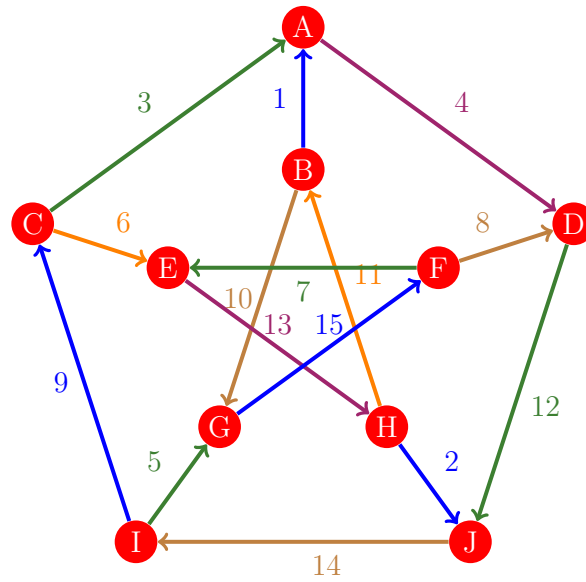


Figura 9: Flujo 1 de la gráfica de Petersen

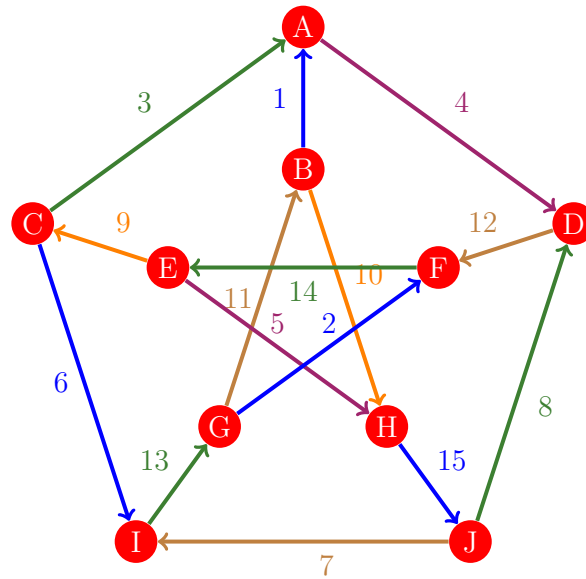


Figura 10: Flujo 2 de la gráfica de Petersen

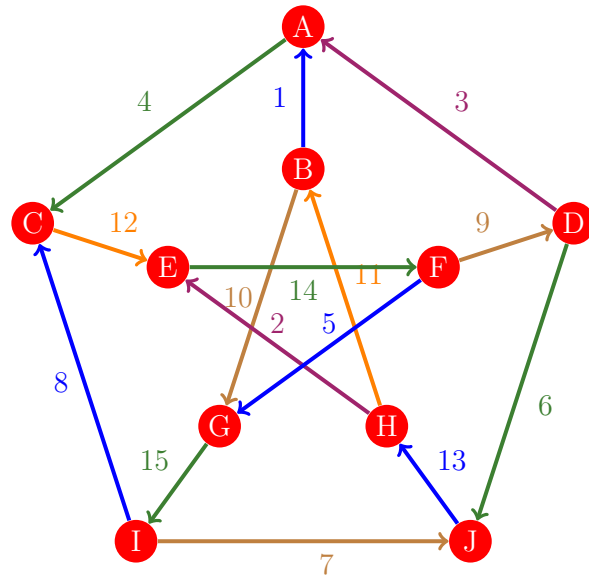


Figura 11: Flujo 3 de la gráfica de Petersen

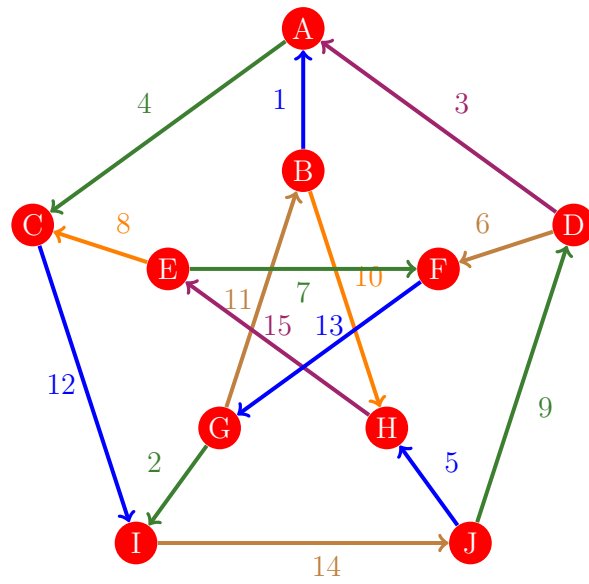


Figura 12: Flujo 4 de la gráfica de Petersen

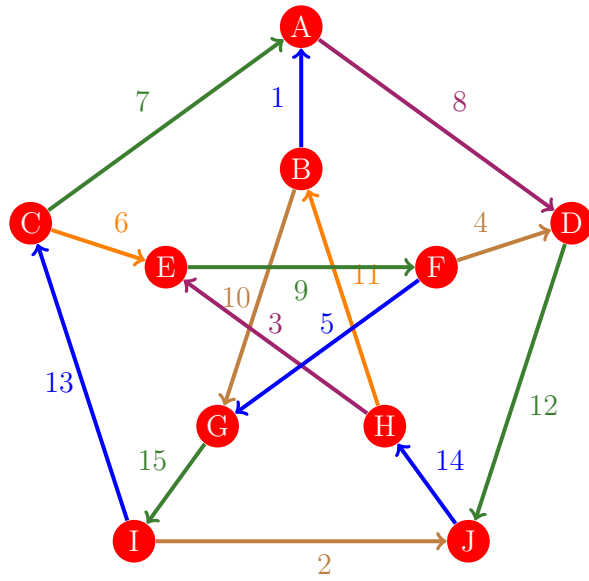


Figura 13: Flujo 5 de la gráfica de Petersen

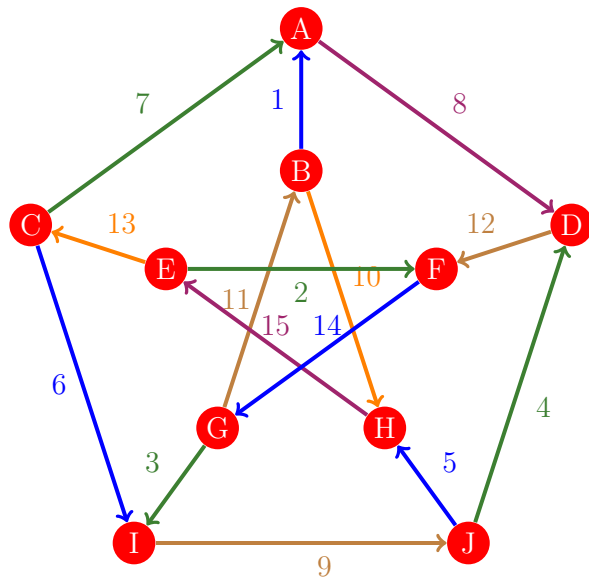


Figura 14: Flujo 6 de la gráfica de Petersen

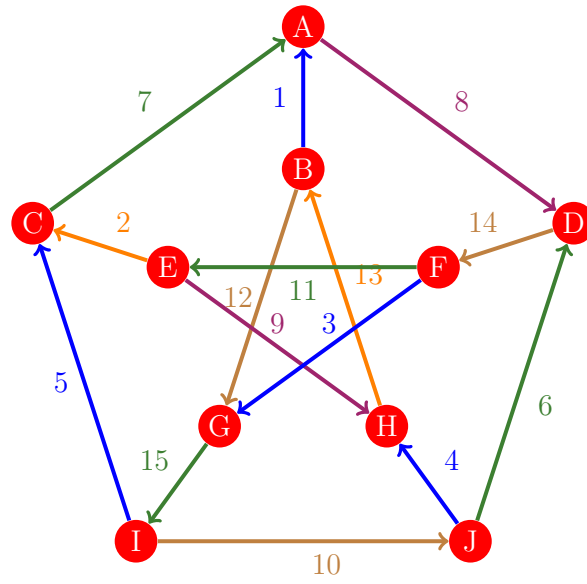


Figura 15: Flujo 7 de la gráfica de Petersen

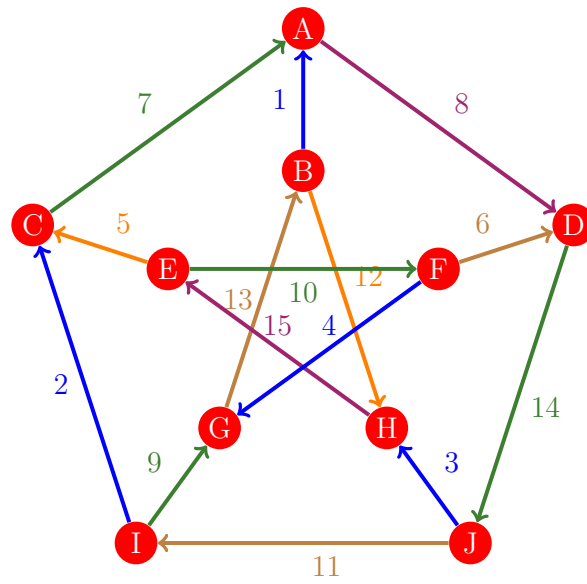


Figura 16: Flujo 8 de la gráfica de Petersen

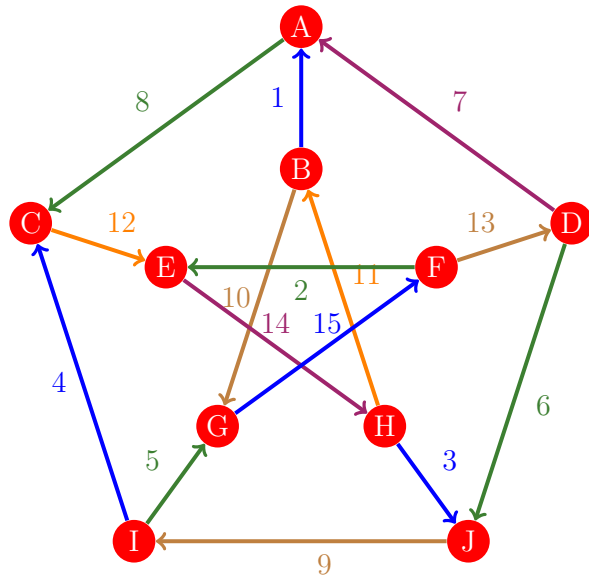


Figura 17: Flujo 9 de la gráfica de Petersen

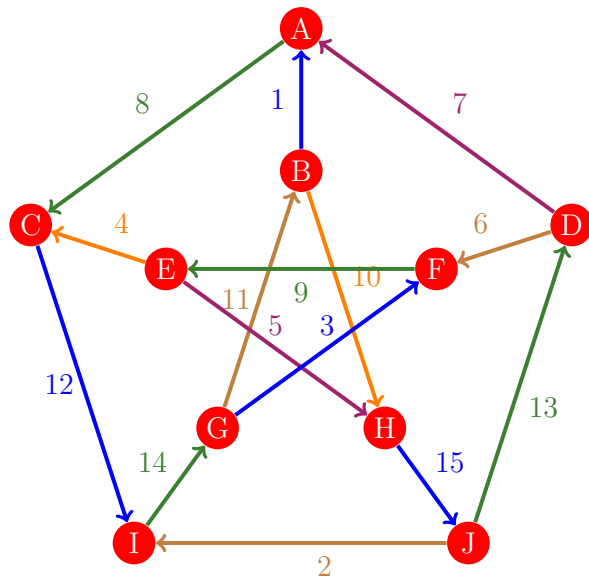


Figura 18: Flujo 10 de la gráfica de Petersen

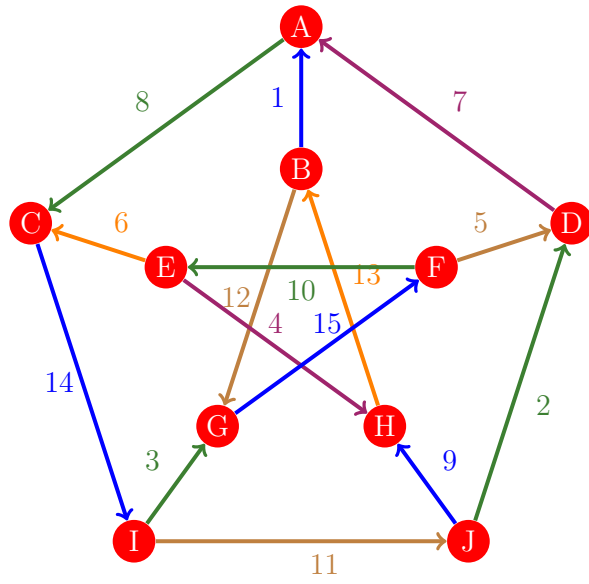


Figura 19: Flujo 11 de la gráfica de Petersen

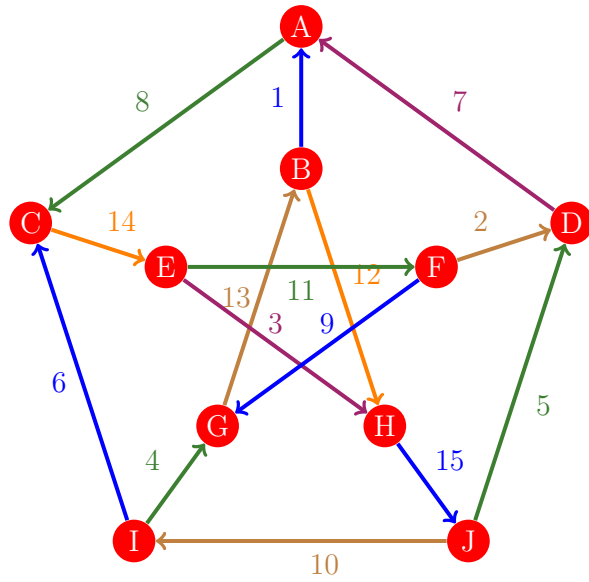


Figura 20: Flujo 12 de la gráfica de Petersen

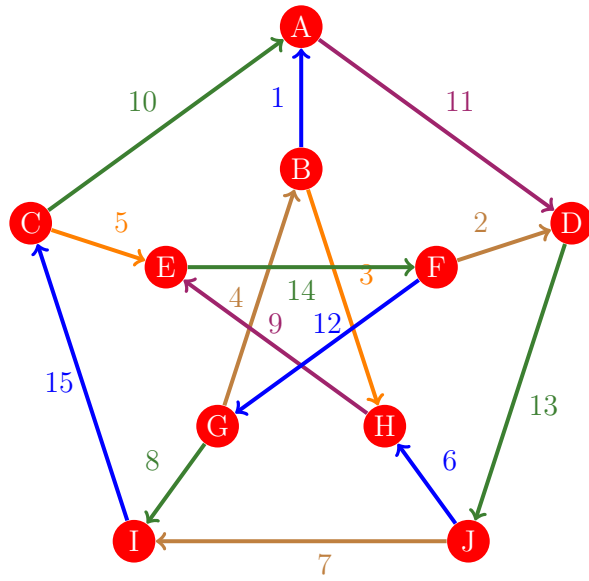


Figura 21: Flujo 13 de la gráfica de Petersen

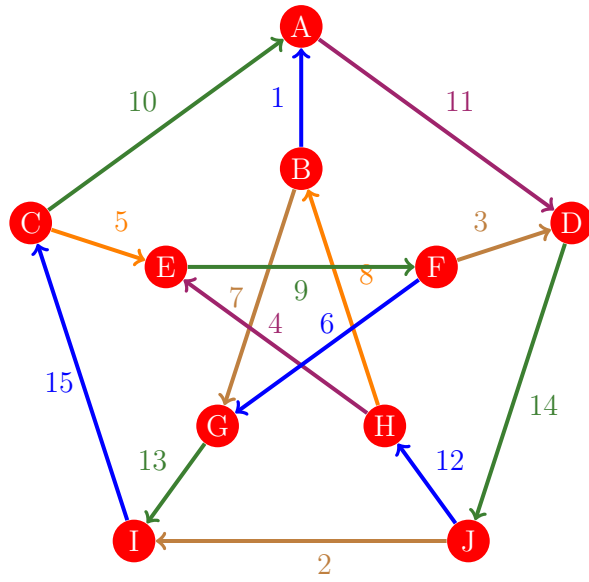


Figura 22: Flujo 14 de la gráfica de Petersen

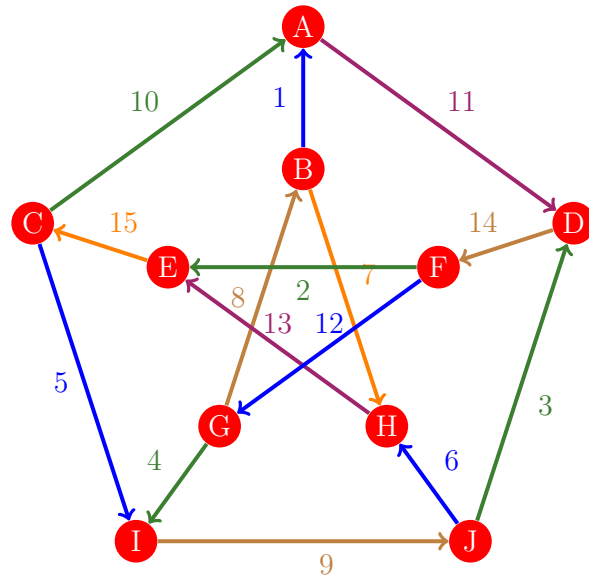


Figura 23: Flujo 15 de la gráfica de Petersen

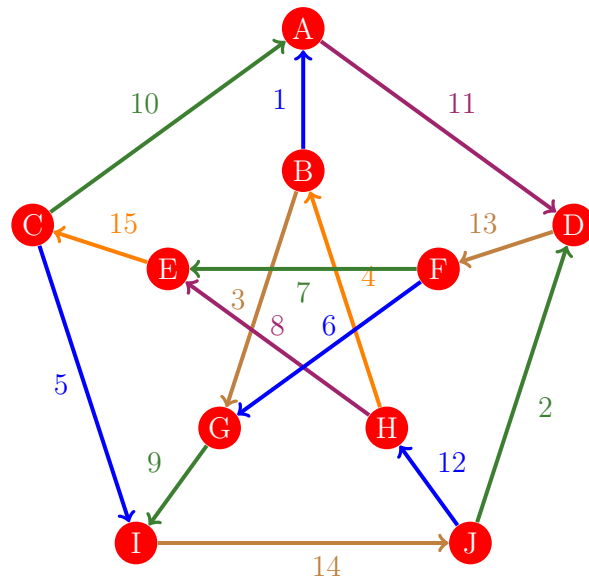


Figura 24: Flujo 16 de la gráfica de Petersen

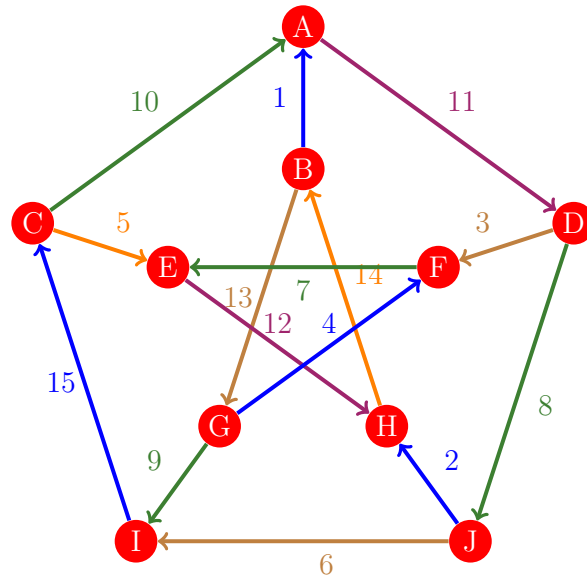


Figura 25: Flujo 17 de la gráfica de Petersen

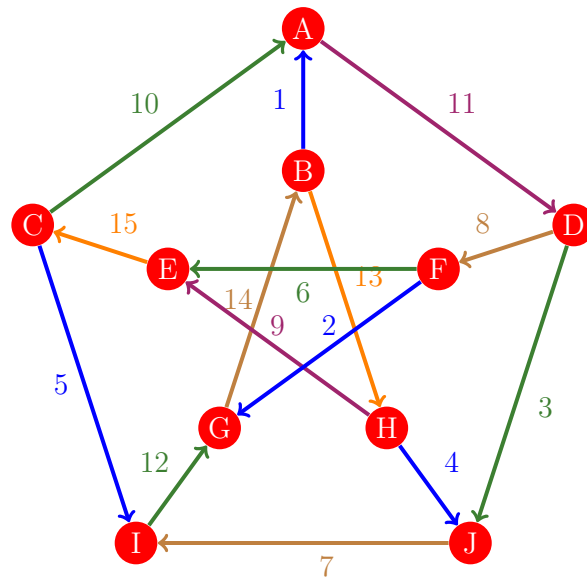


Figura 26: Flujo 18 de la gráfica de Petersen

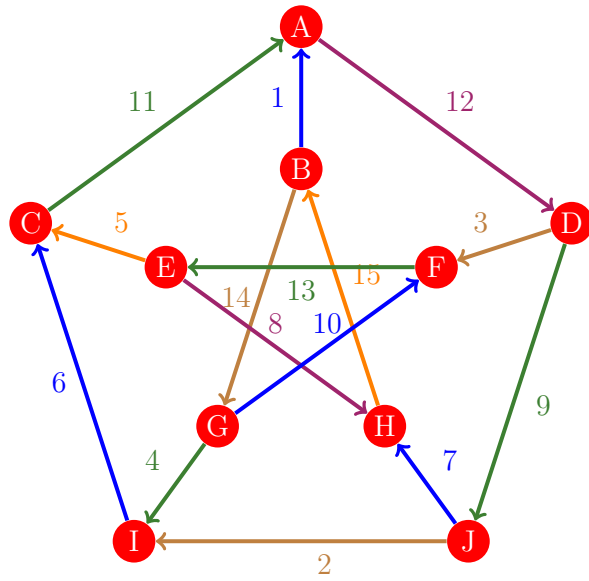


Figura 27: Flujo 19 de la gráfica de Petersen

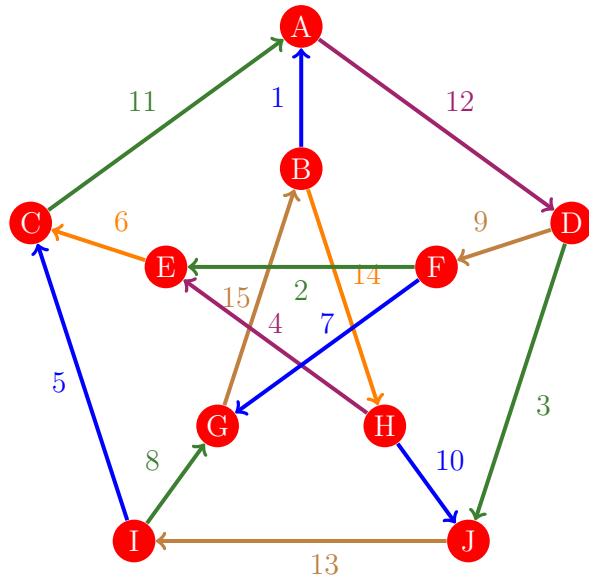


Figura 28: Flujo 20 de la gráfica de Petersen

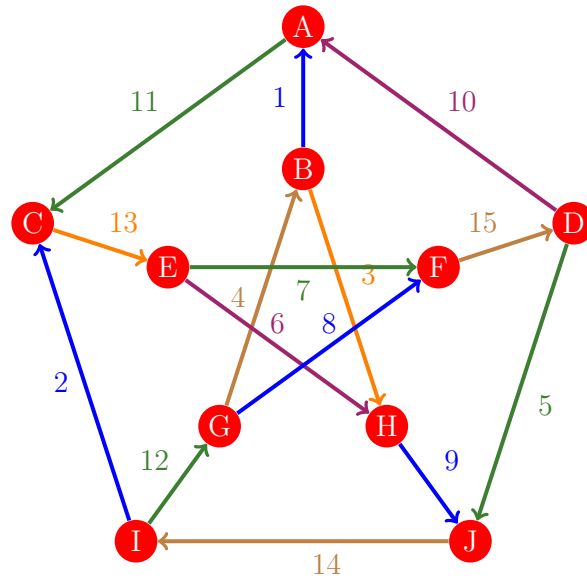


Figura 29: Flujo 21 de la gráfica de Petersen

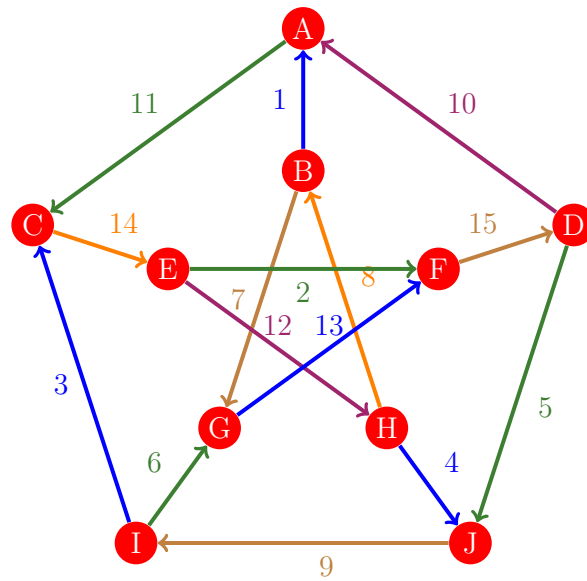


Figura 30: Flujo 22 de la gráfica de Petersen

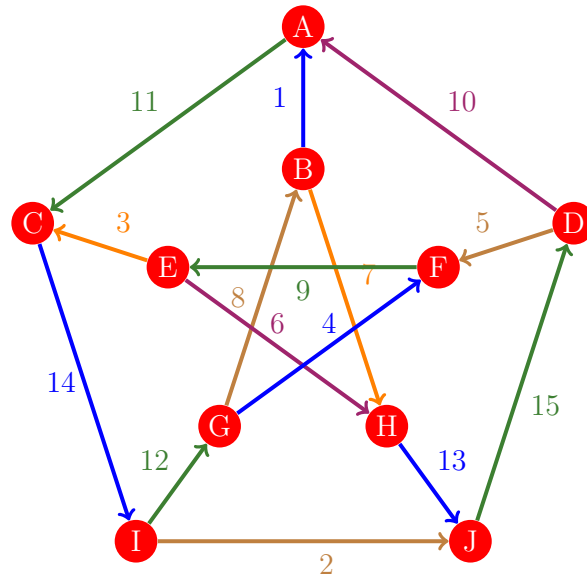


Figura 31: Flujo 23 de la gráfica de Petersen

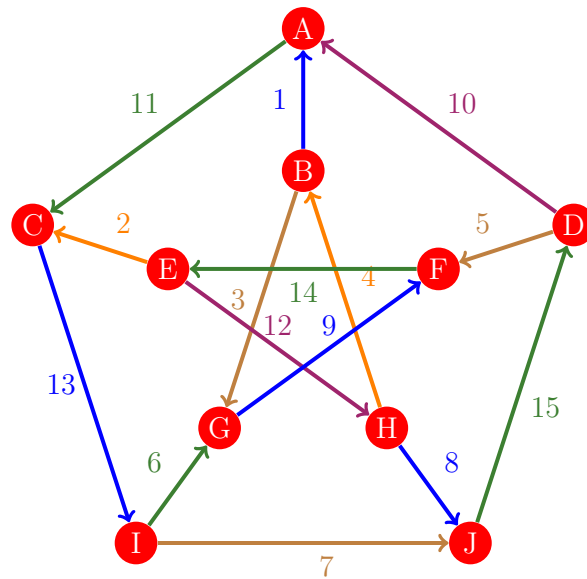


Figura 32: Flujo 24 de la gráfica de Petersen

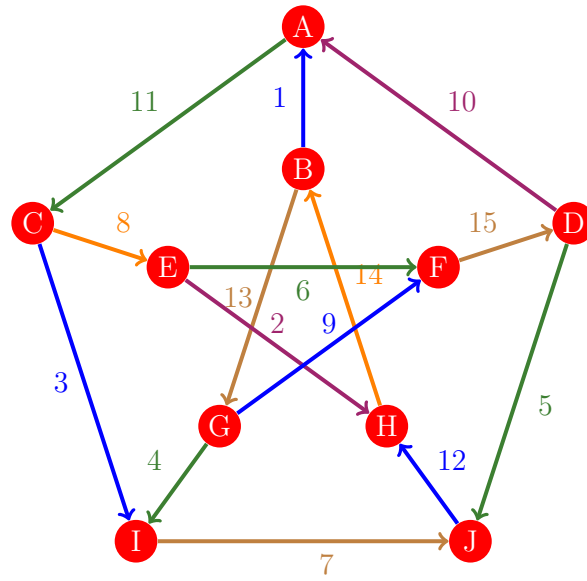


Figura 33: Flujo 25 de la gráfica de Petersen

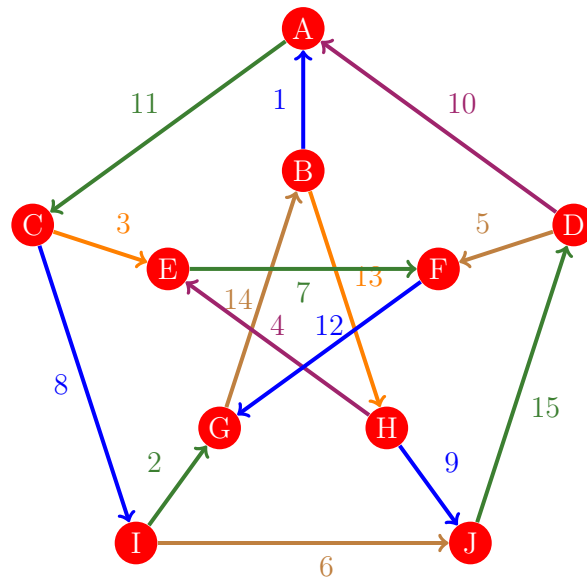


Figura 34: Flujo 26 de la gráfica de Petersen

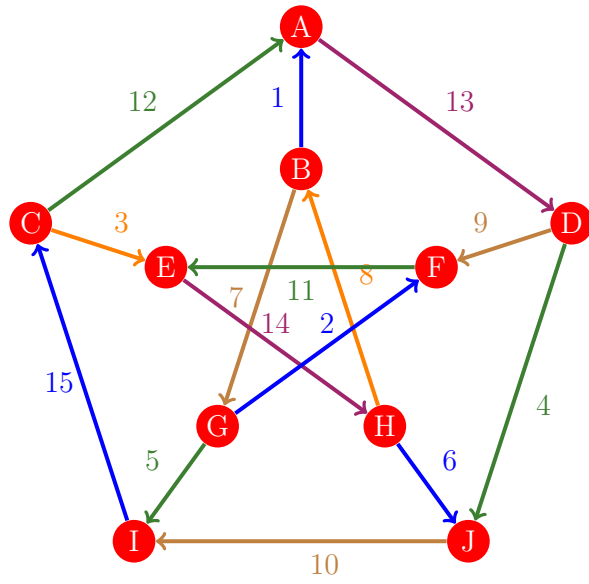


Figura 35: Flujo 27 de la gráfica de Petersen

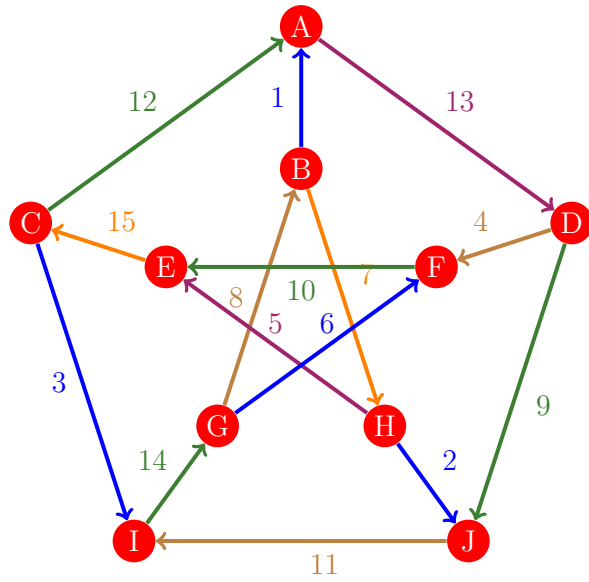


Figura 36: Flujo 28 de la gráfica de Petersen

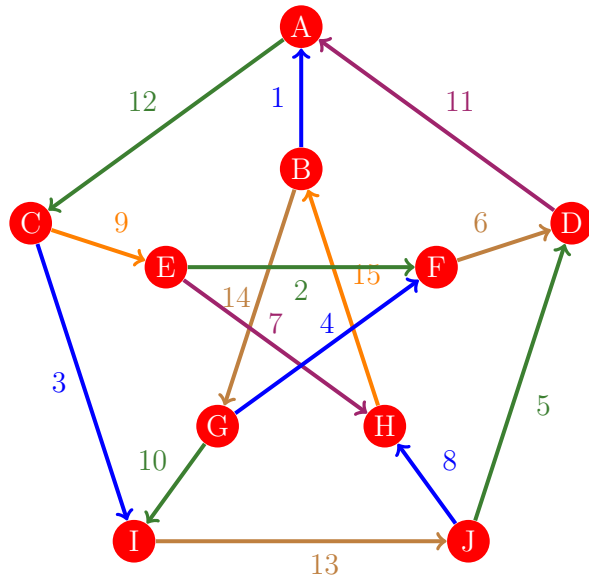


Figura 37: Flujo 29 de la gráfica de Petersen

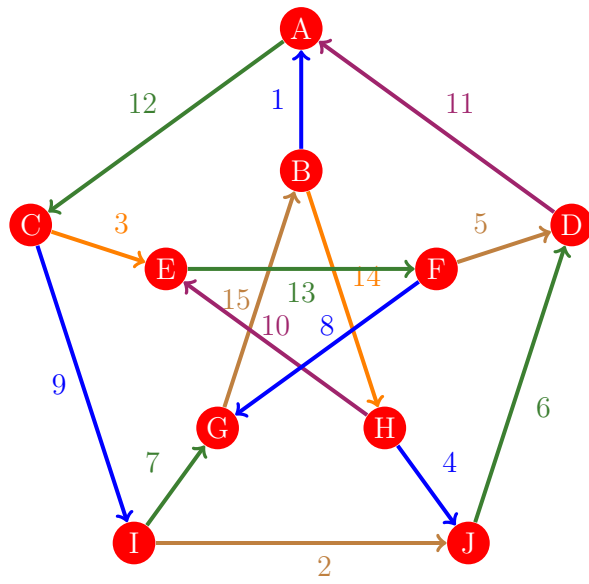


Figura 38: Flujo 30 de la gráfica de Petersen

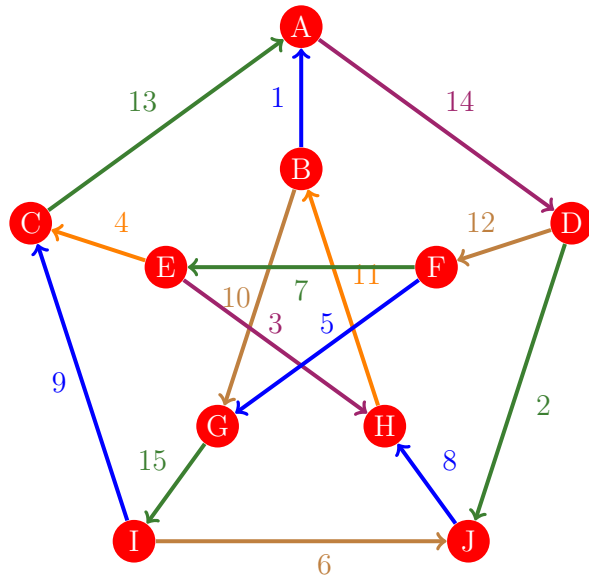


Figura 39: Flujo 31 de la gráfica de Petersen

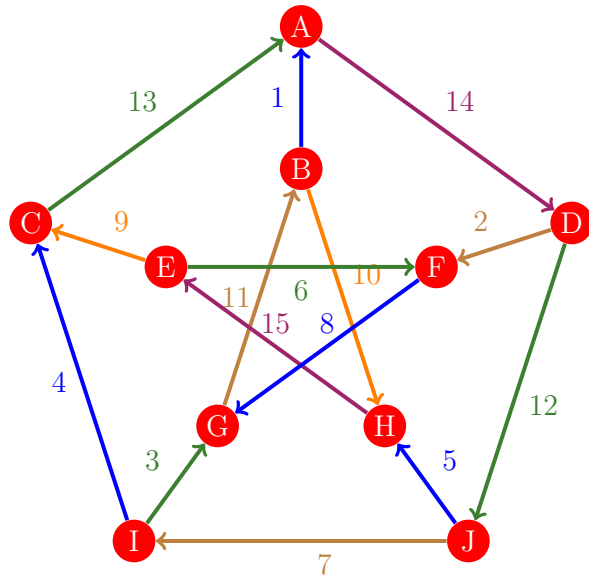


Figura 40: Flujo 32 de la gráfica de Petersen

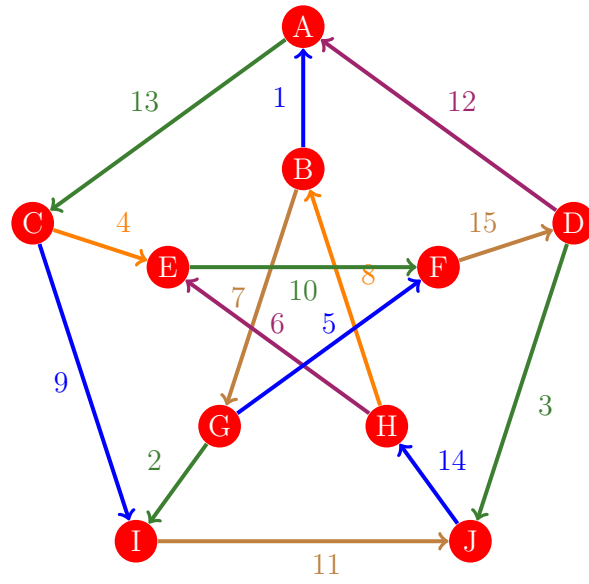


Figura 41: Flujo 33 de la gráfica de Petersen

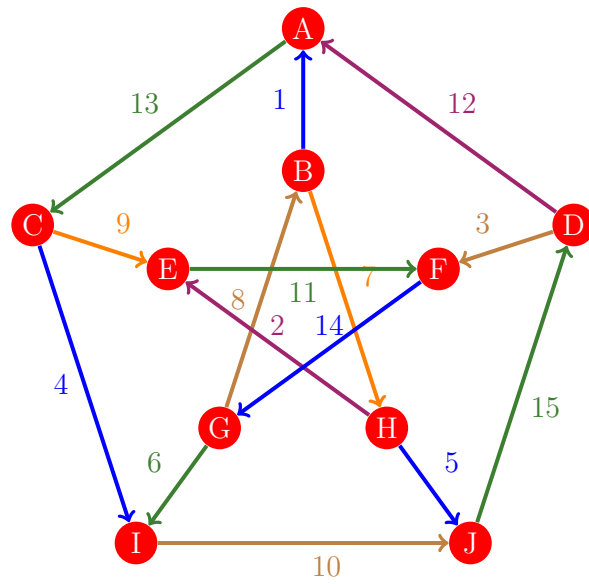


Figura 42: Flujo 34 de la gráfica de Petersen

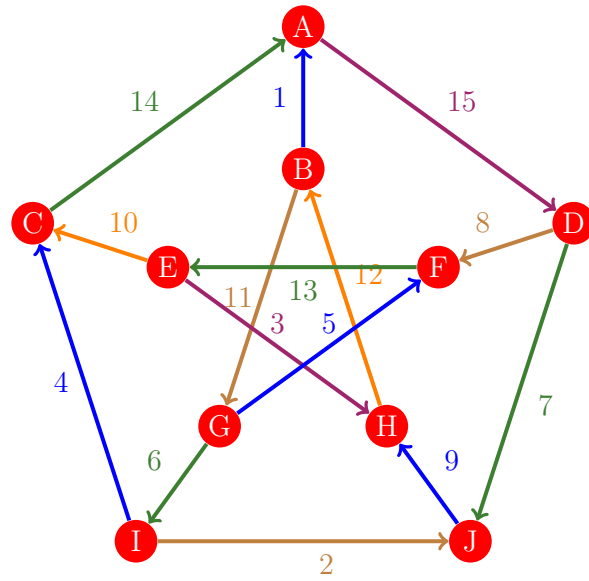


Figura 43: Flujo 35 de la gráfica de Petersen

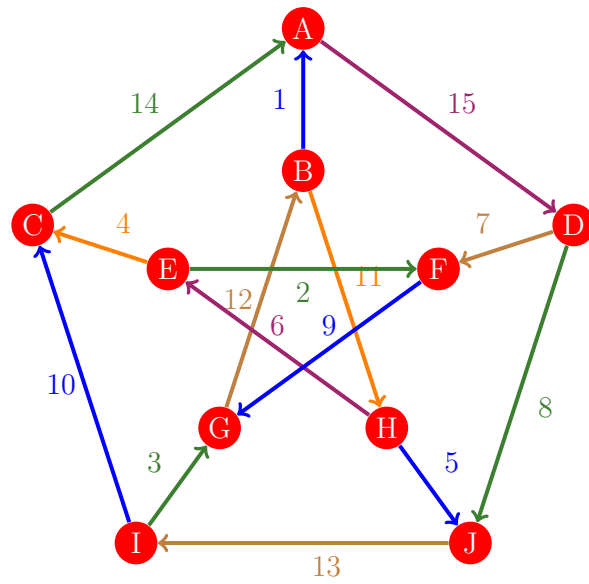


Figura 44: Flujo 36 de la gráfica de Petersen

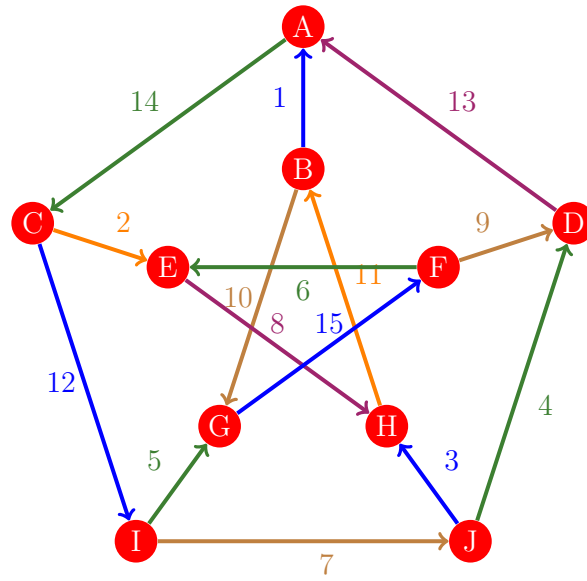


Figura 45: Flujo 37 de la gráfica de Petersen

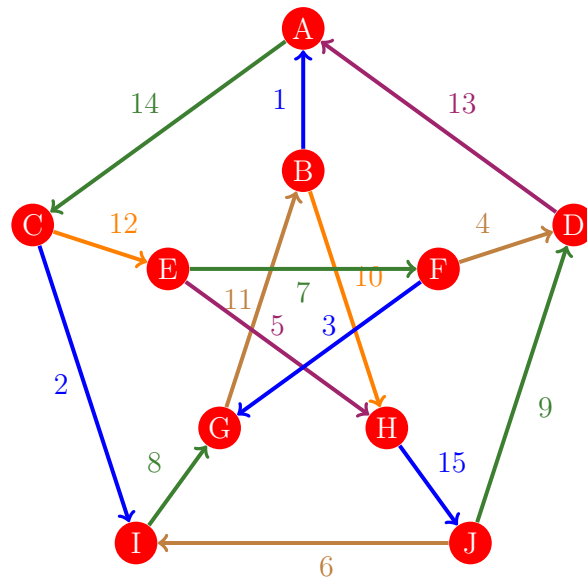


Figura 46: Flujo 38 de la gráfica de Petersen

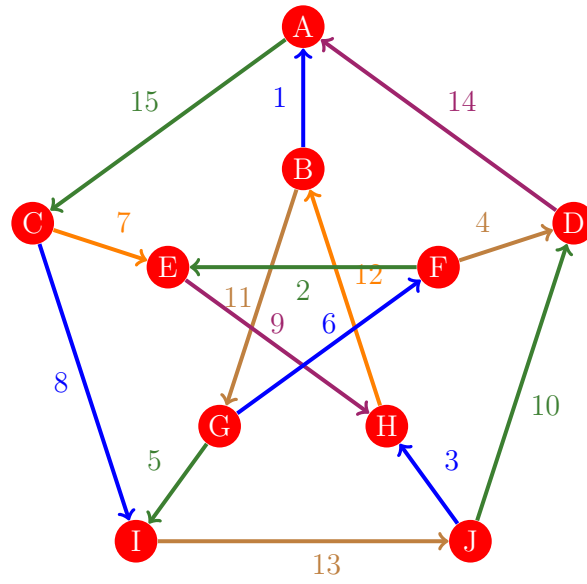


Figura 47: Flujo 39 de la gráfica de Petersen

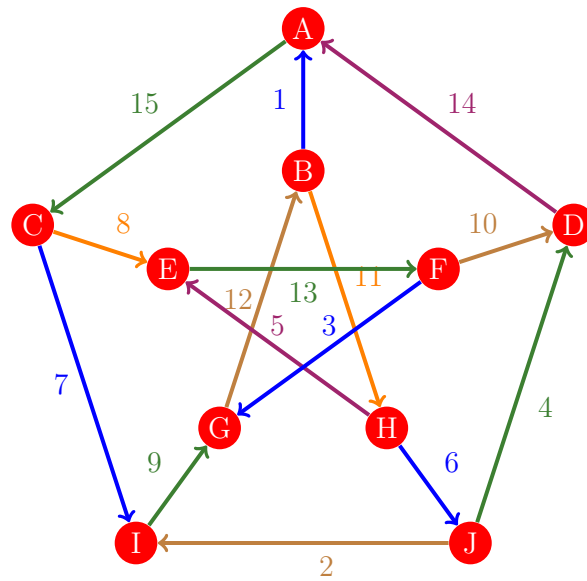


Figura 48: Flujo 40 de la gráfica de Petersen

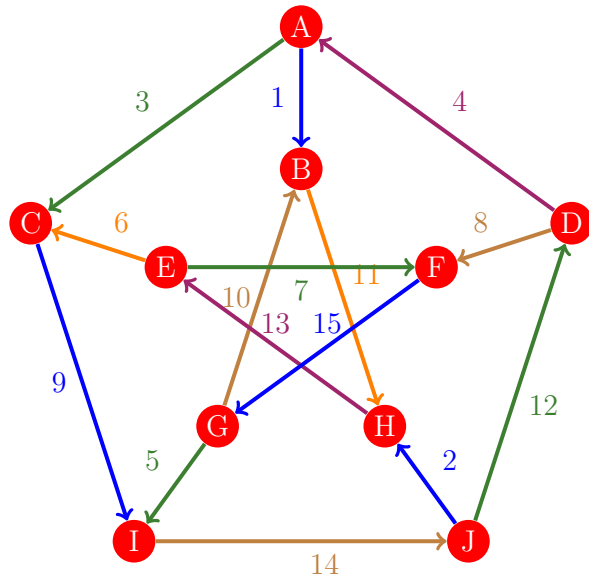


Figura 49: Flujo 41 de la gráfica de Petersen

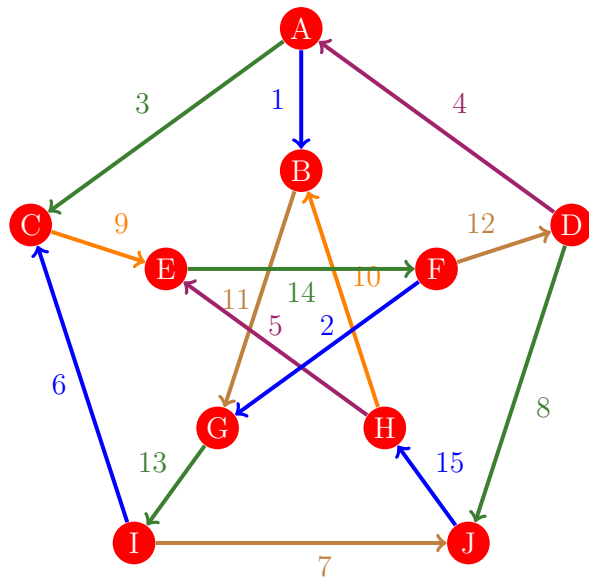


Figura 50: Flujo 42 de la gráfica de Petersen

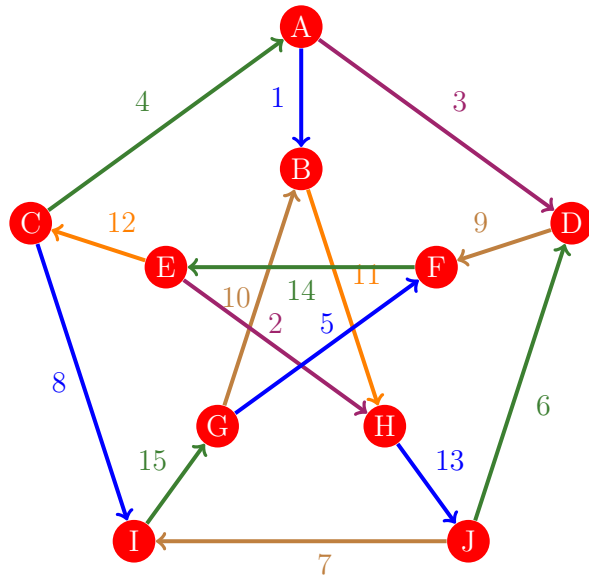


Figura 51: Flujo 43 de la gráfica de Petersen

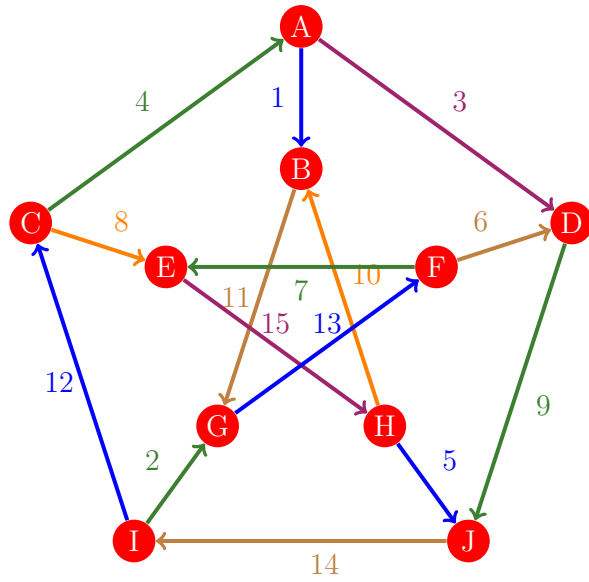


Figura 52: Flujo 44 de la gráfica de Petersen

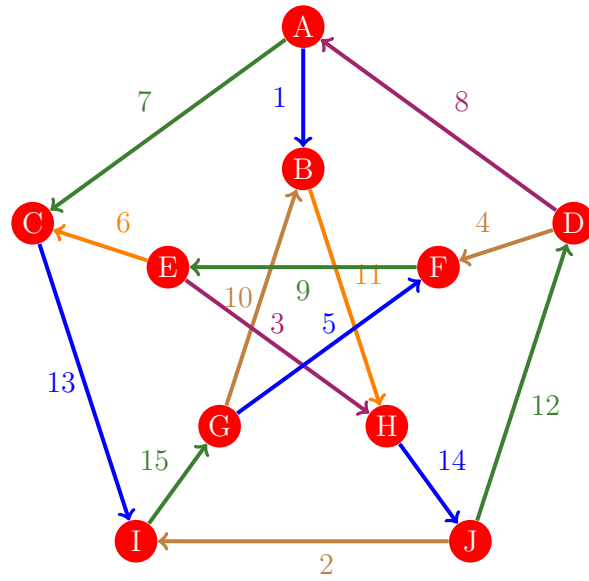


Figura 53: Flujo 45 de la gráfica de Petersen

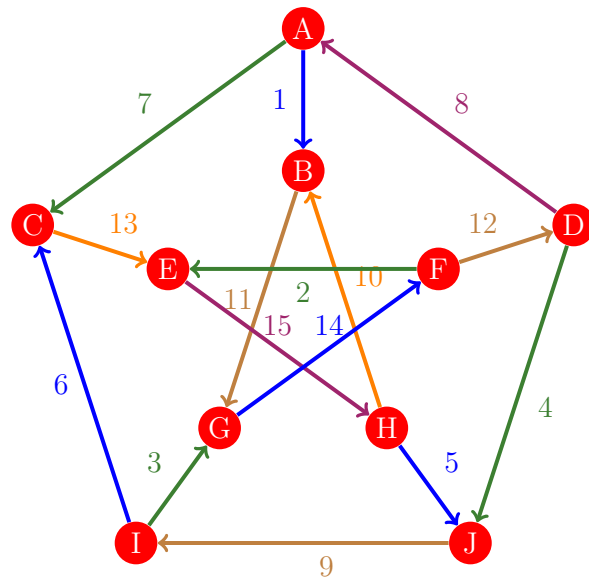


Figura 54: Flujo 46 de la gráfica de Petersen

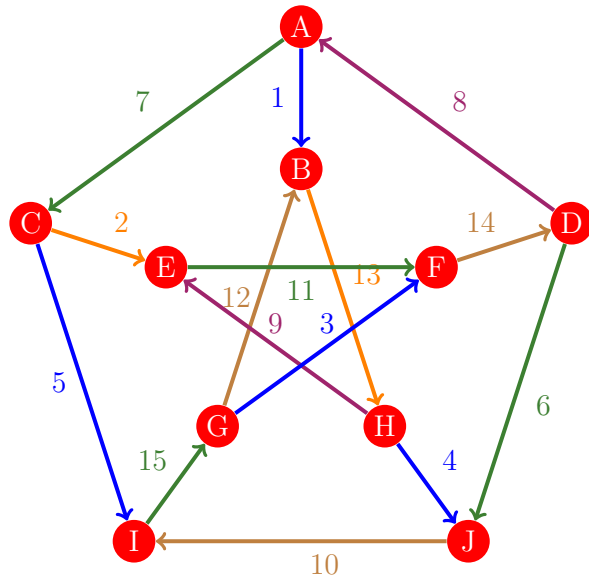


Figura 55: Flujo 47 de la gráfica de Petersen

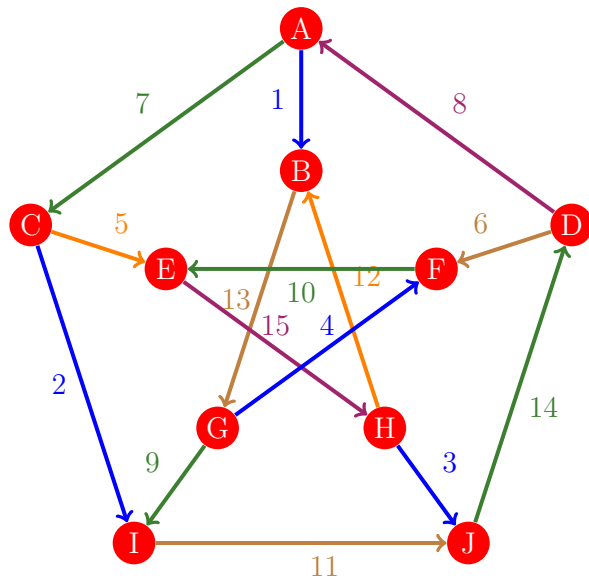


Figura 56: Flujo 48 de la gráfica de Petersen

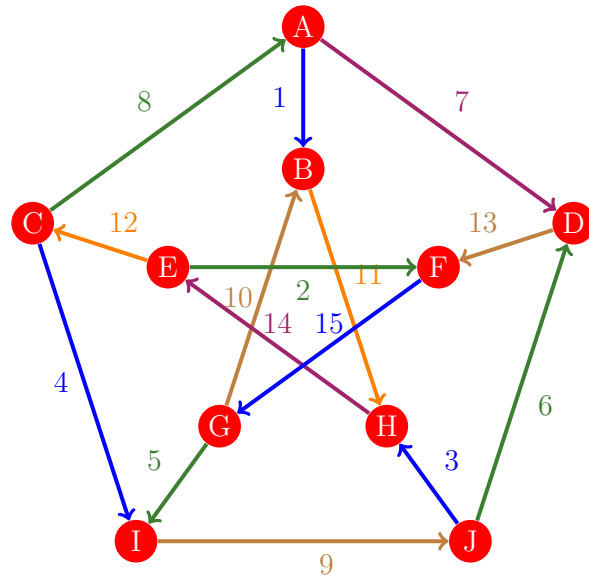


Figura 57: Flujo 49 de la gráfica de Petersen

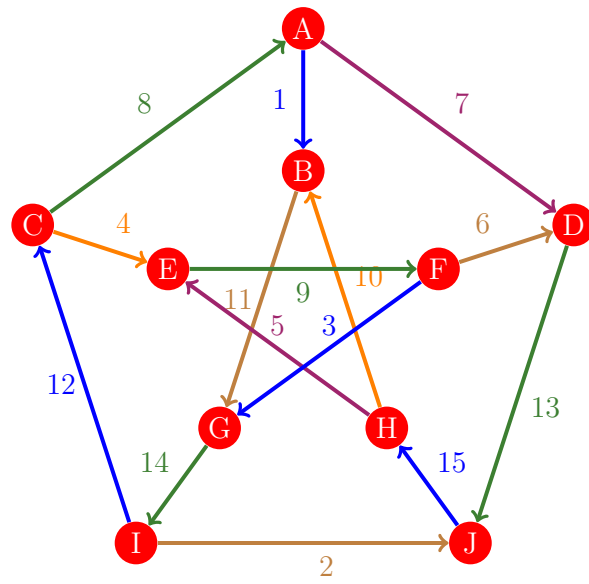


Figura 58: Flujo 50 de la gráfica de Petersen

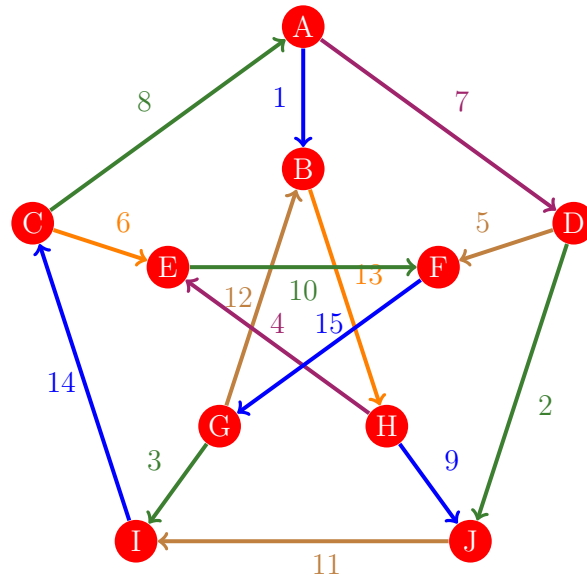


Figura 59: Flujo 51 de la gráfica de Petersen

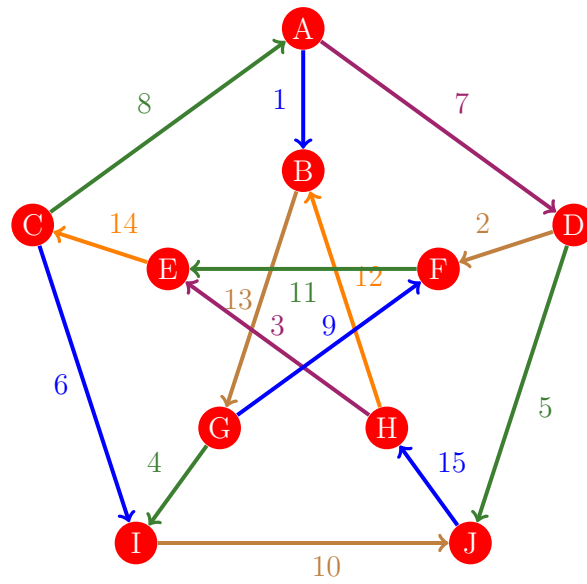


Figura 60: Flujo 52 de la gráfica de Petersen

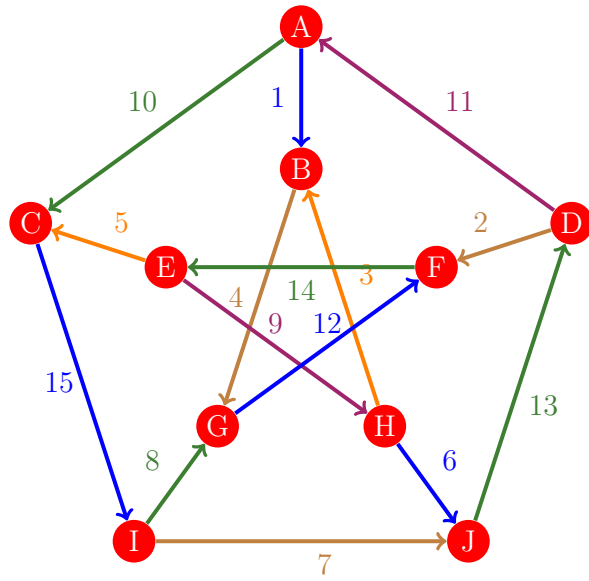


Figura 61: Flujo 53 de la gráfica de Petersen

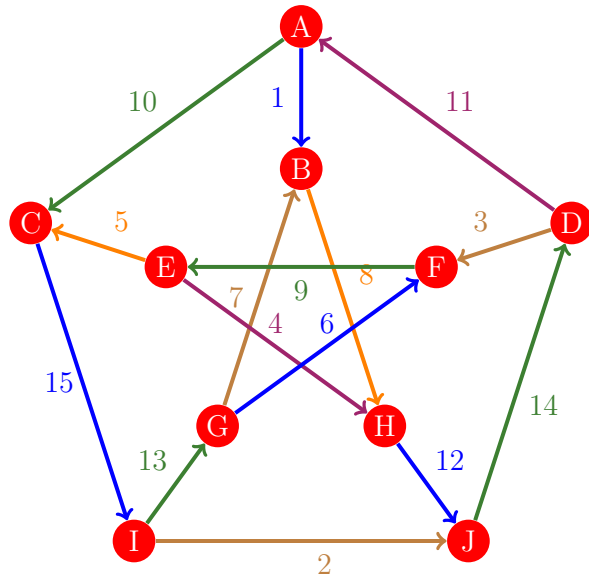


Figura 62: Flujo 54 de la gráfica de Petersen

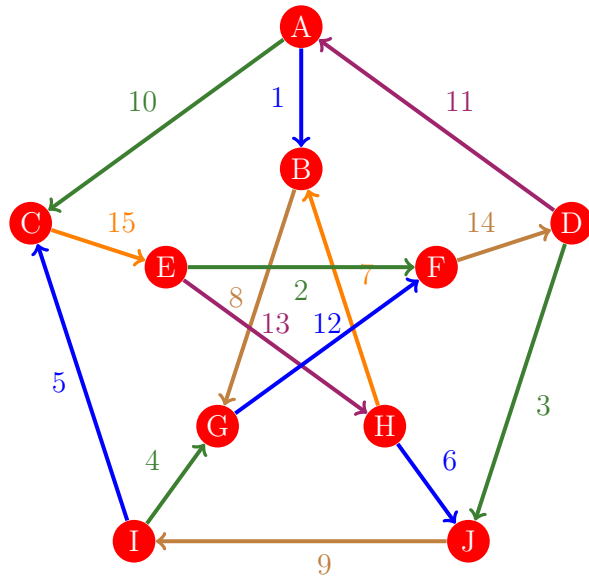


Figura 63: Flujo 55 de la gráfica de Petersen

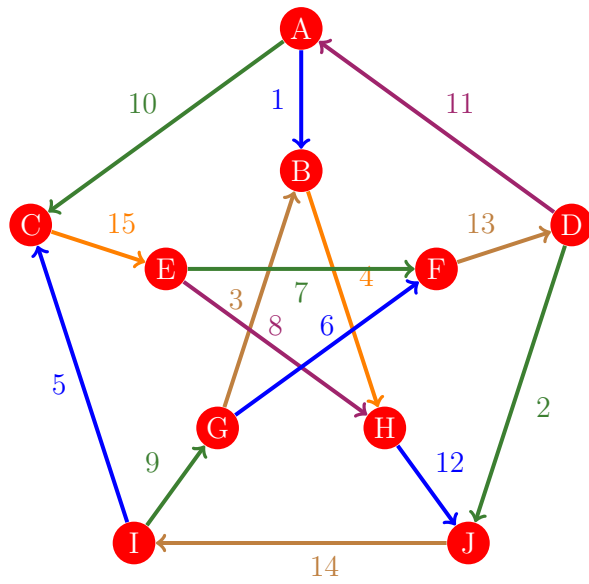


Figura 64: Flujo 56 de la gráfica de Petersen

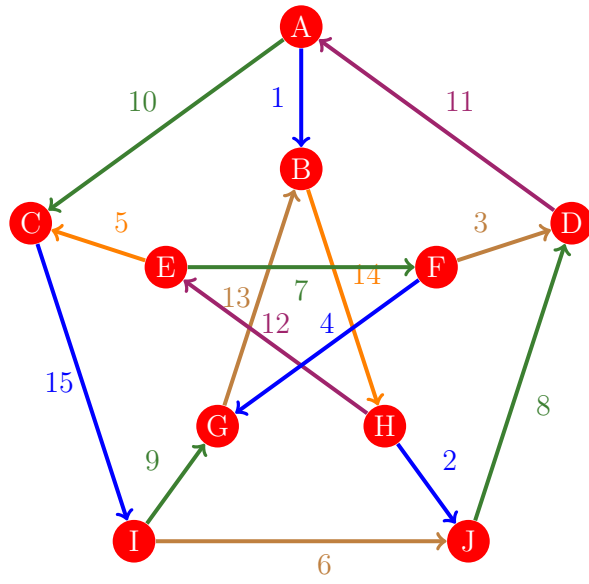


Figura 65: Flujo 57 de la gráfica de Petersen

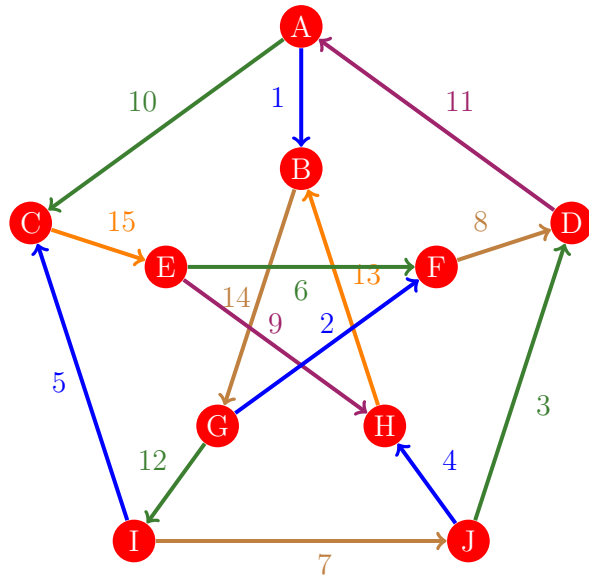


Figura 66: Flujo 58 de la gráfica de Petersen

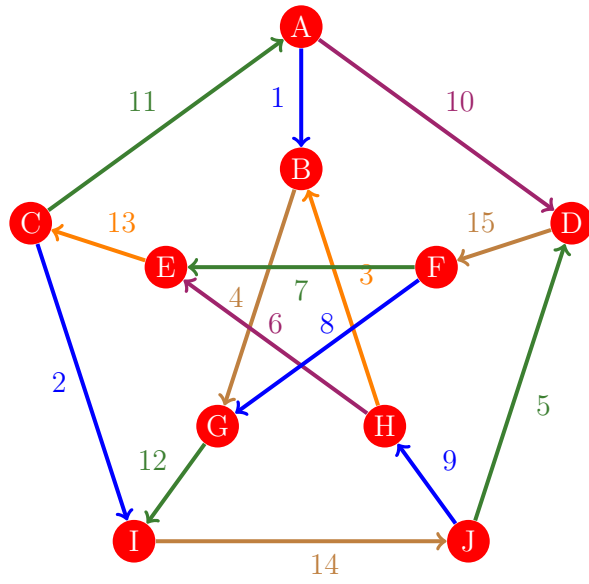


Figura 67: Flujo 59 de la gráfica de Petersen

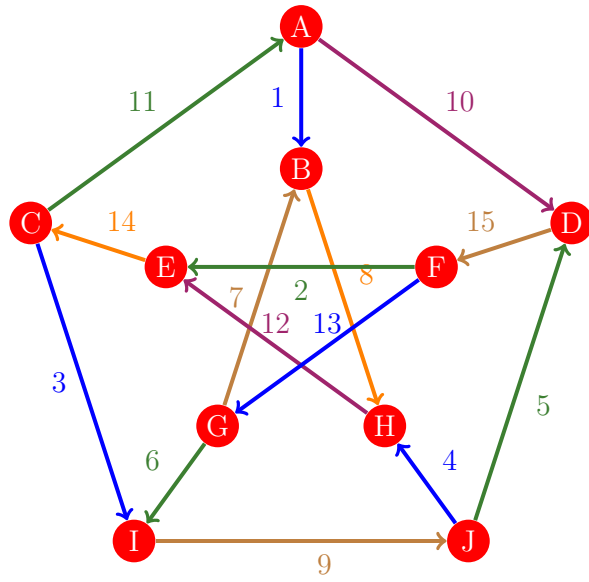


Figura 68: Flujo 60 de la gráfica de Petersen

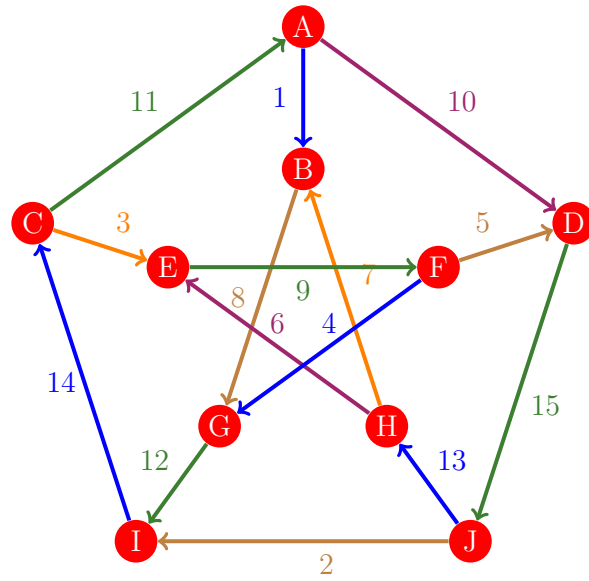


Figura 69: Flujo 61 de la gráfica de Petersen

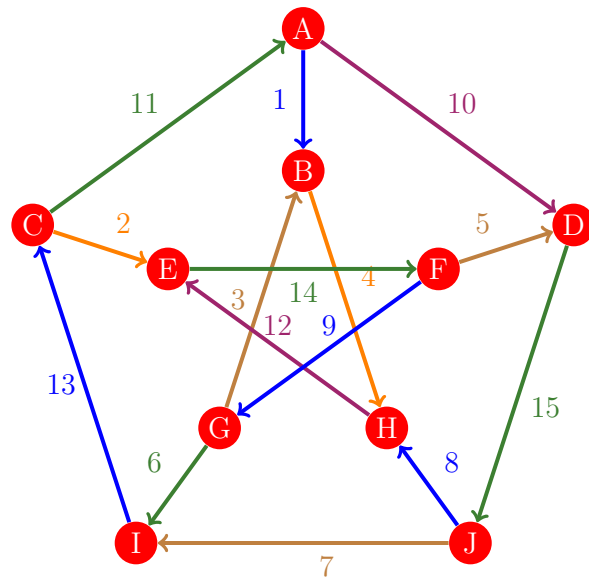


Figura 70: Flujo 62 de la gráfica de Petersen

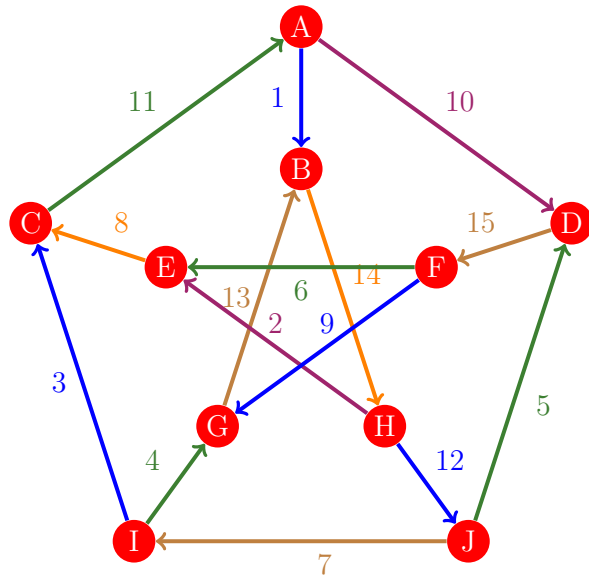


Figura 71: Flujo 63 de la gráfica de Petersen

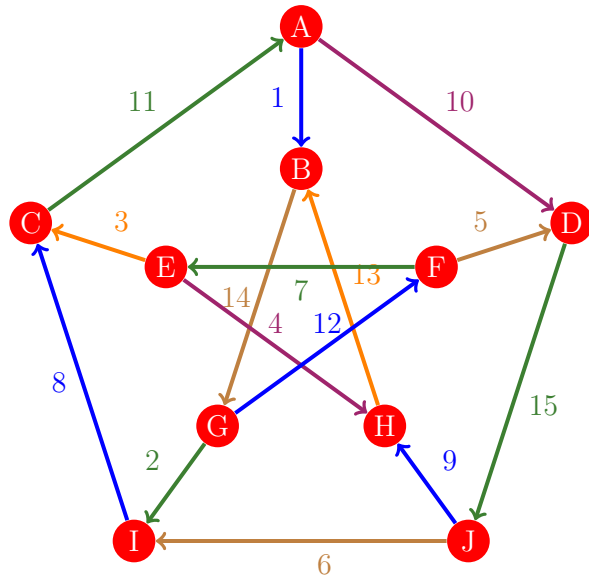


Figura 72: Flujo 64 de la gráfica de Petersen

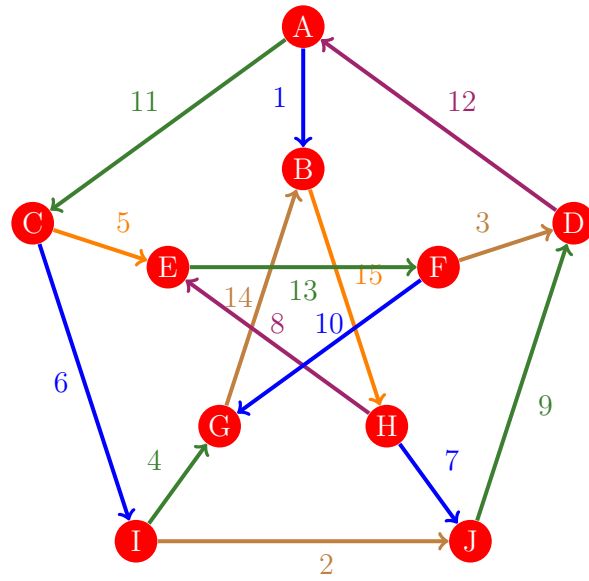


Figura 73: Flujo 65 de la gráfica de Petersen

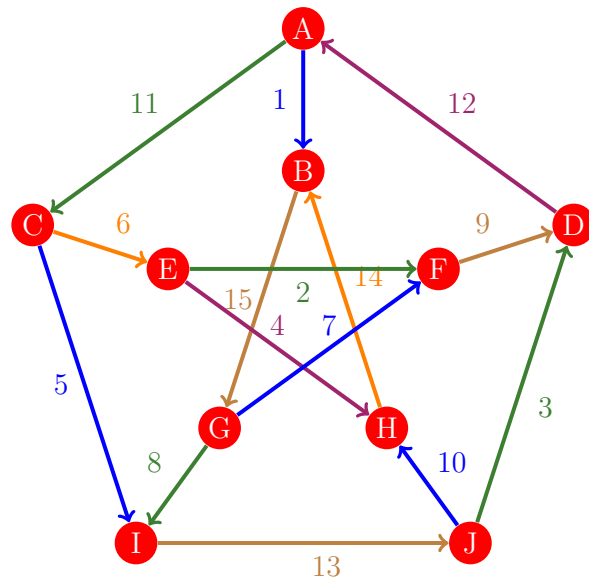


Figura 74: Flujo 66 de la gráfica de Petersen

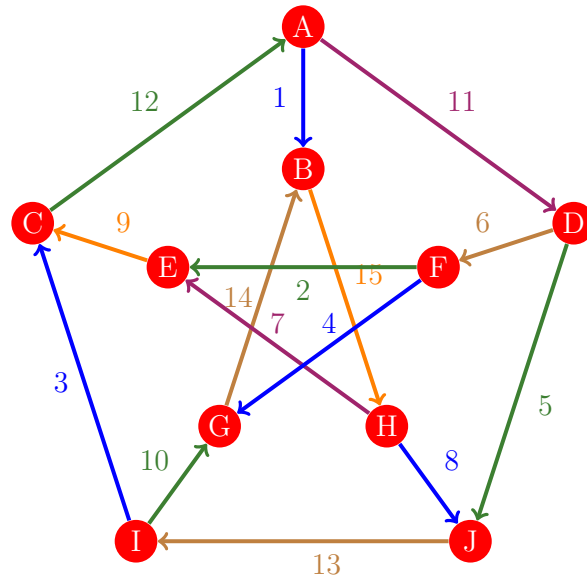


Figura 75: Flujo 67 de la gráfica de Petersen

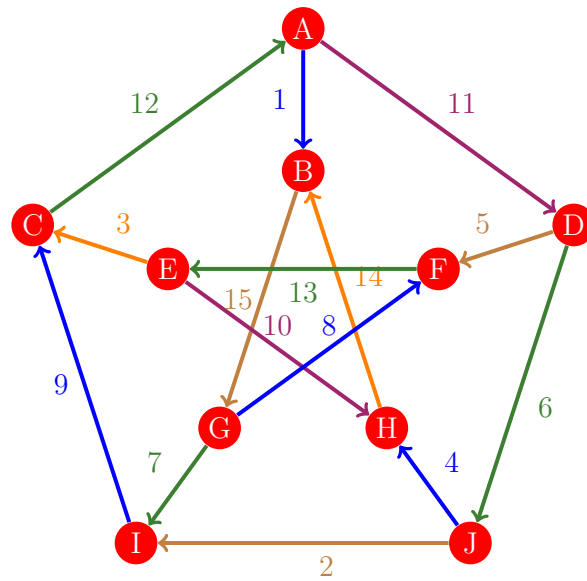


Figura 76: Flujo 68 de la gráfica de Petersen

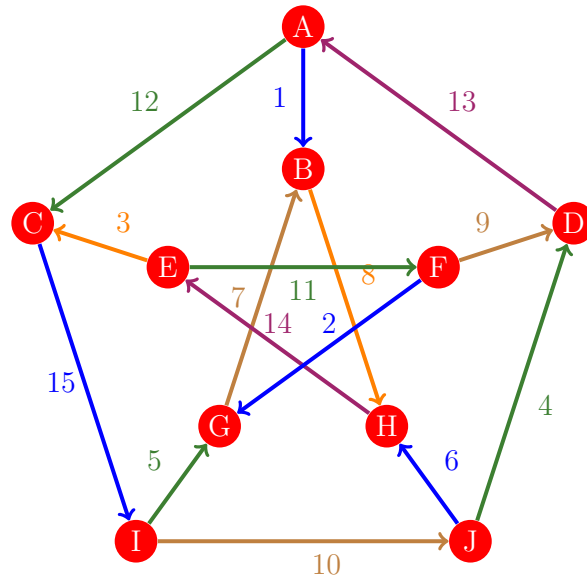


Figura 77: Flujo 69 de la gráfica de Petersen

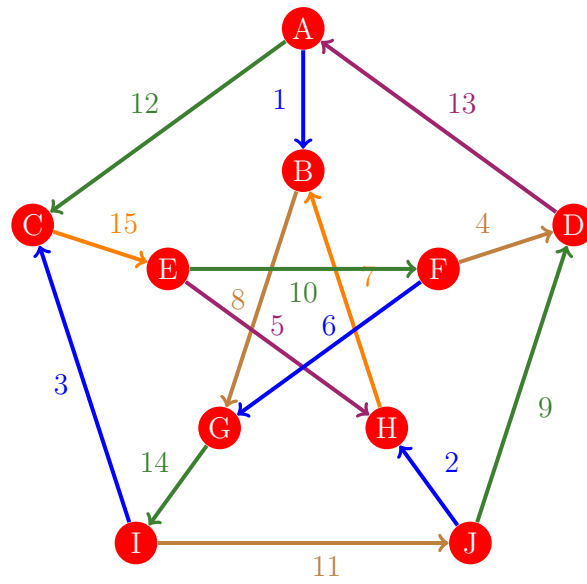


Figura 78: Flujo 70 de la gráfica de Petersen

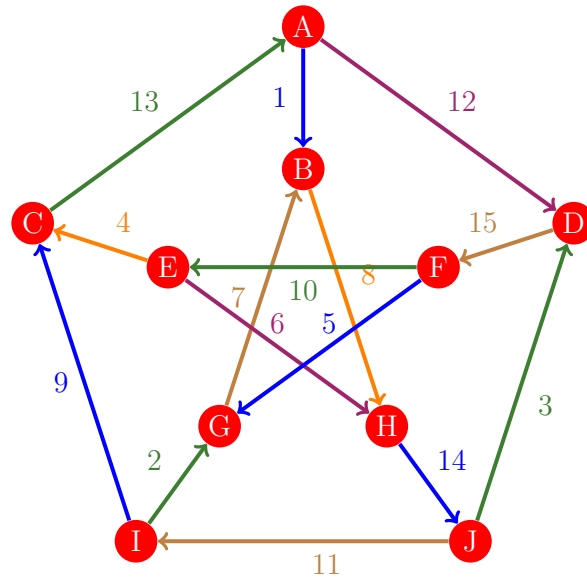


Figura 79: Flujo 71 de la gráfica de Petersen

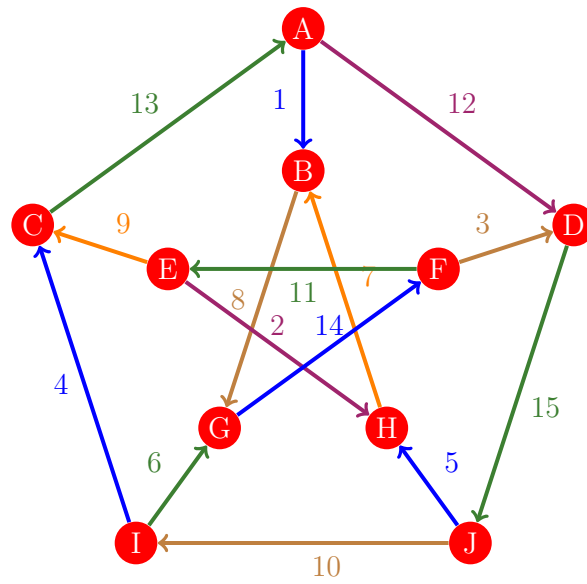


Figura 80: Flujo 72 de la gráfica de Petersen

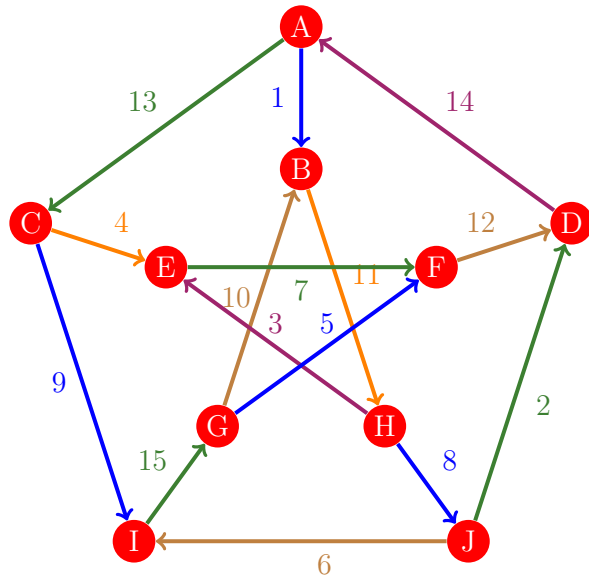


Figura 81: Flujo 73 de la gráfica de Petersen

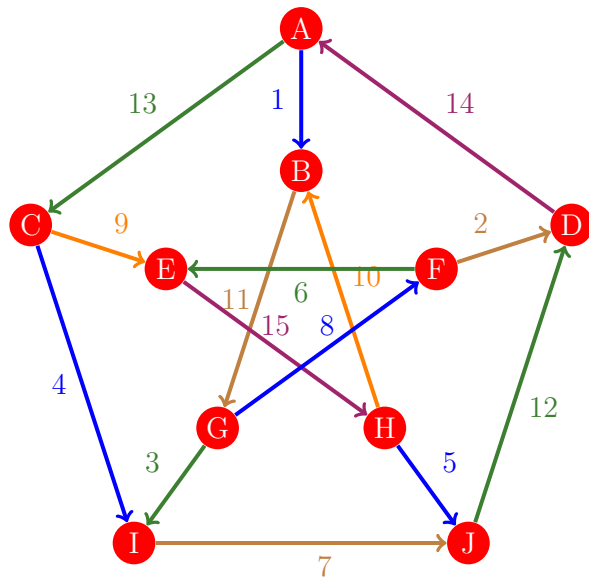


Figura 82: Flujo 74 de la gráfica de Petersen

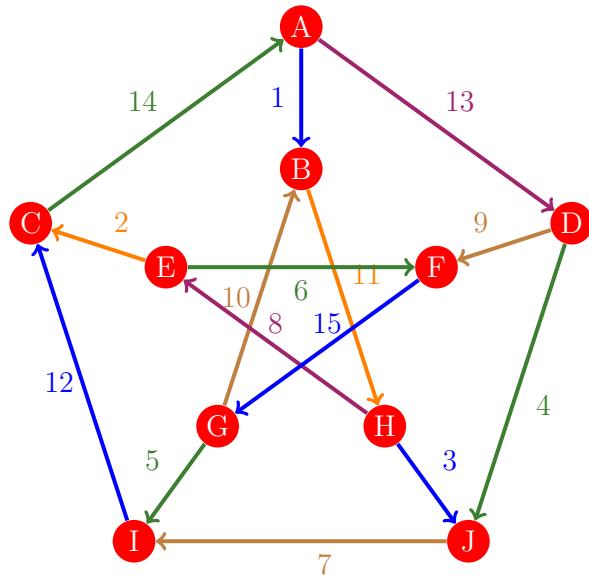


Figura 83: Flujo 75 de la gráfica de Petersen

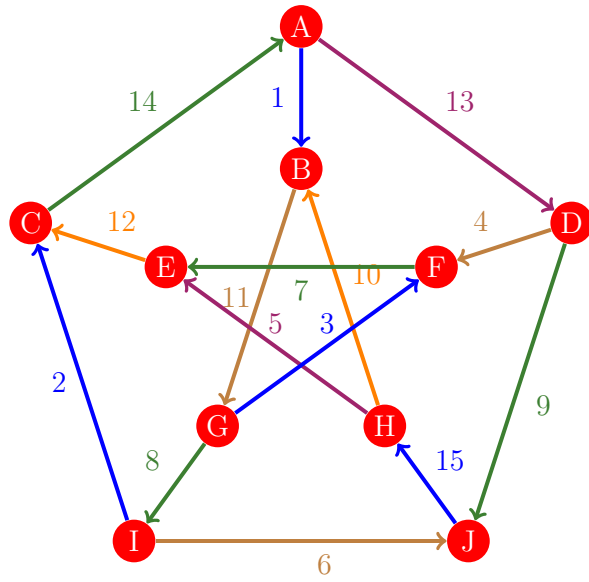


Figura 84: Flujo 76 de la gráfica de Petersen

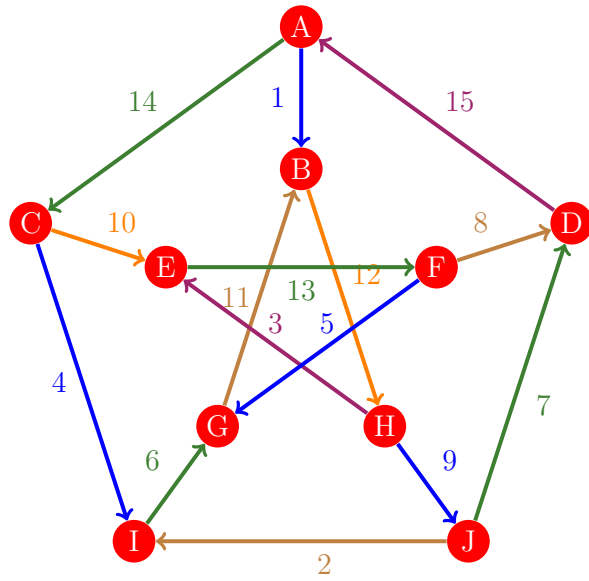


Figura 85: Flujo 77 de la gráfica de Petersen

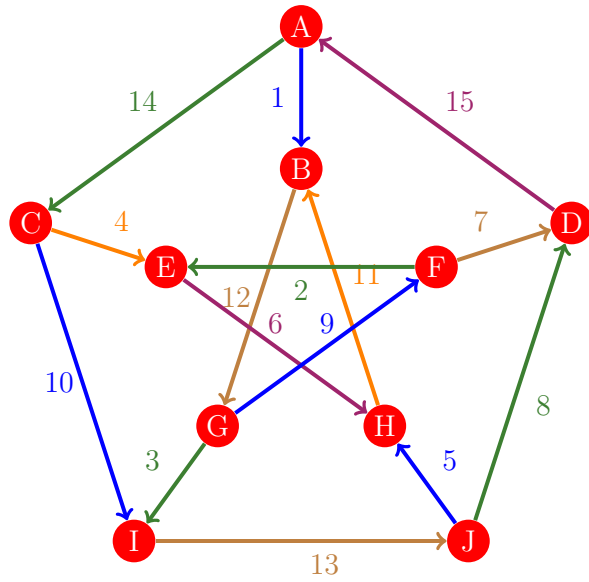


Figura 86: Flujo 78 de la gráfica de Petersen

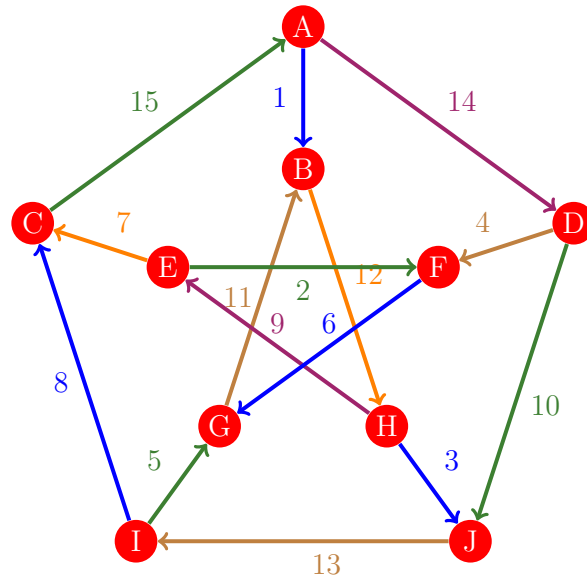


Figura 87: Flujo 79 de la gráfica de Petersen

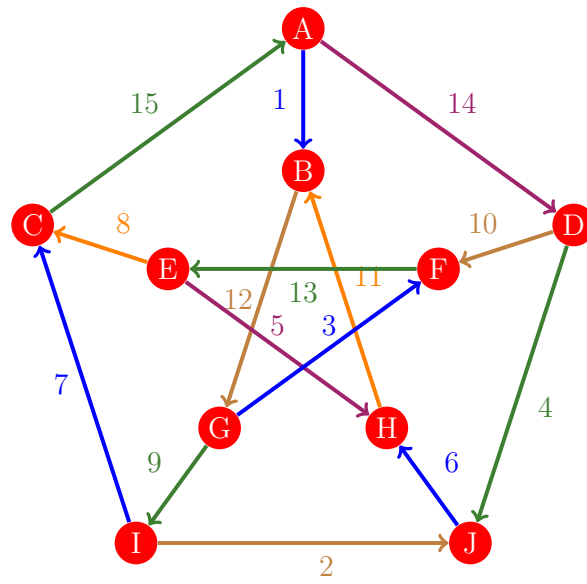


Figura 88: Flujo 80 de la gráfica de Petersen

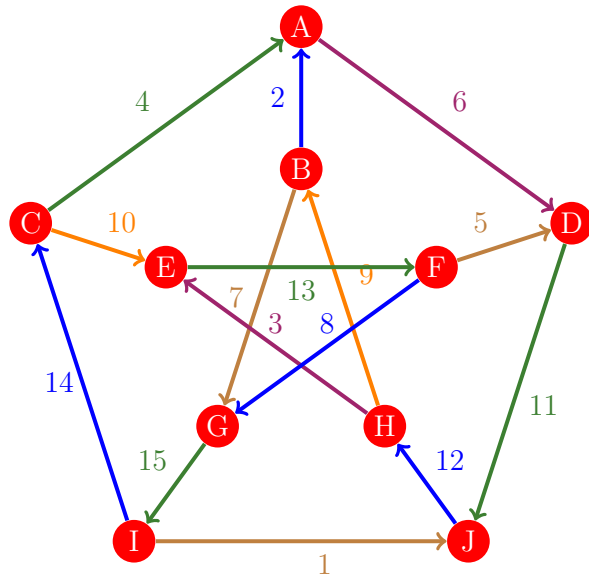


Figura 89: Flujo 81 de la gráfica de Petersen

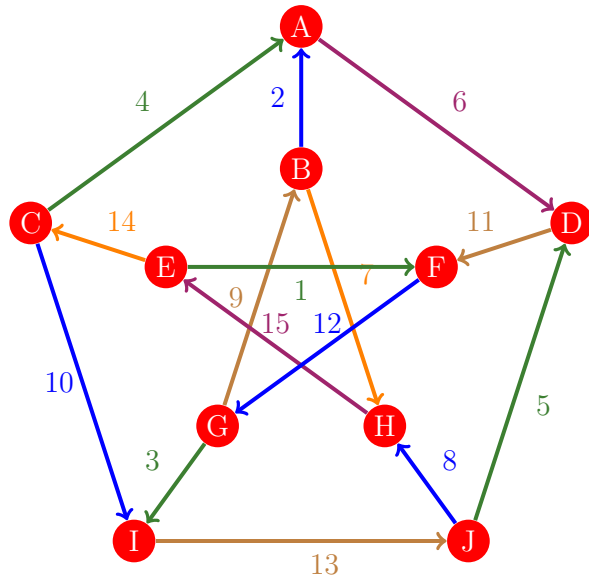


Figura 90: Flujo 82 de la gráfica de Petersen

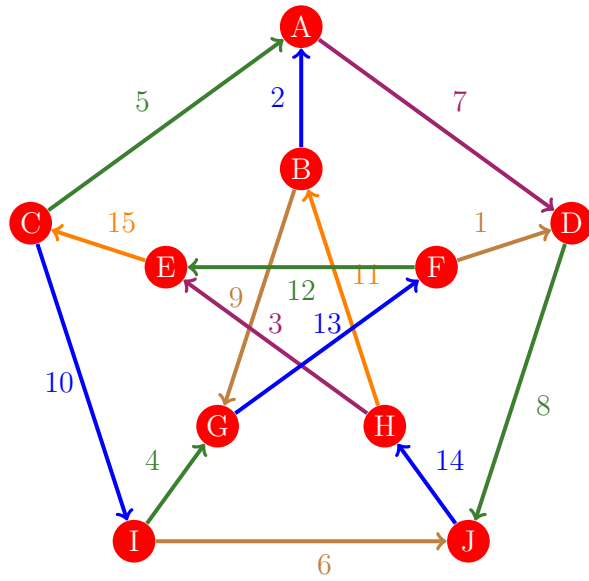


Figura 91: Flujo 83 de la gráfica de Petersen

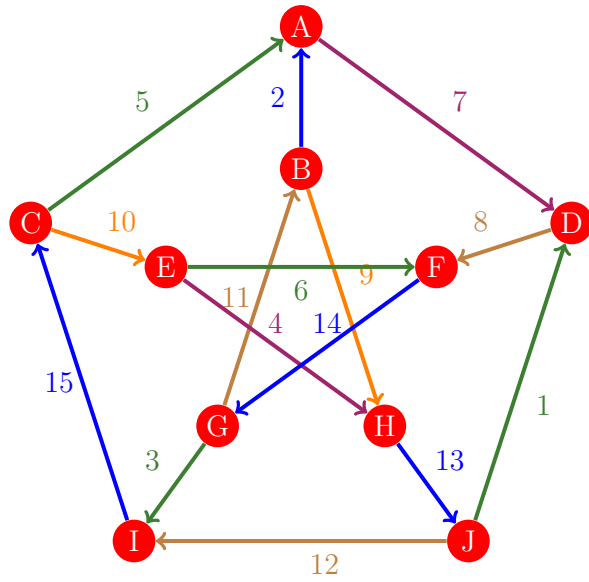


Figura 92: Flujo 84 de la gráfica de Petersen

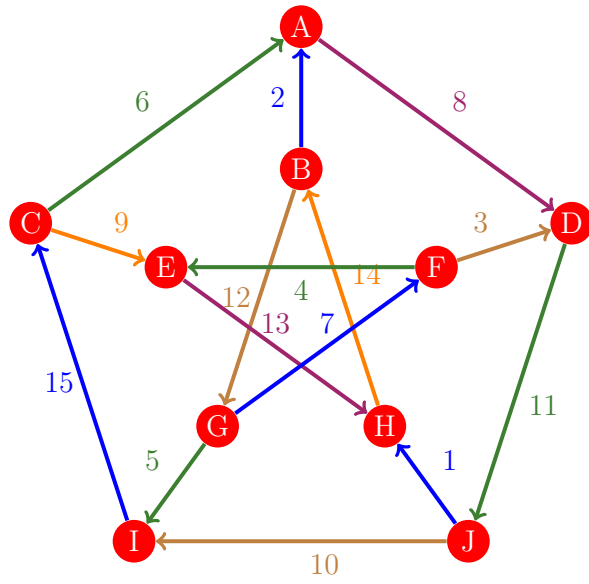


Figura 93: Flujo 85 de la gráfica de Petersen

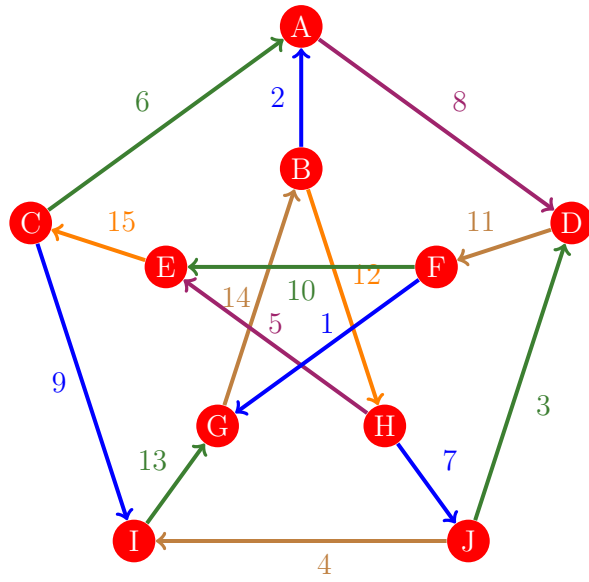


Figura 94: Flujo 86 de la gráfica de Petersen

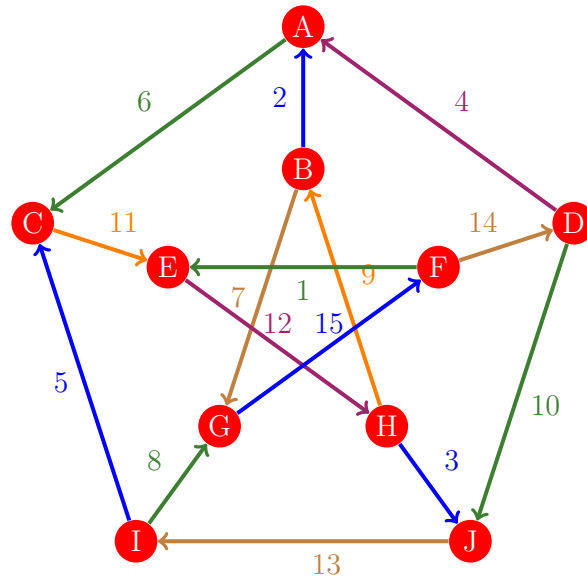


Figura 95: Flujo 87 de la gráfica de Petersen

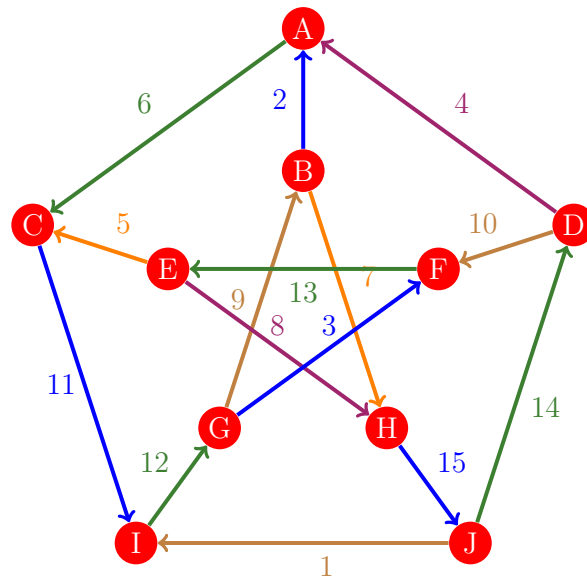


Figura 96: Flujo 88 de la gráfica de Petersen

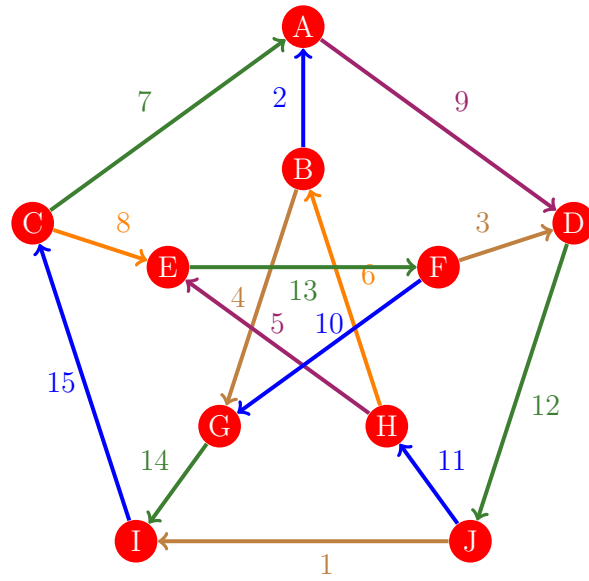


Figura 97: Flujo 89 de la gráfica de Petersen

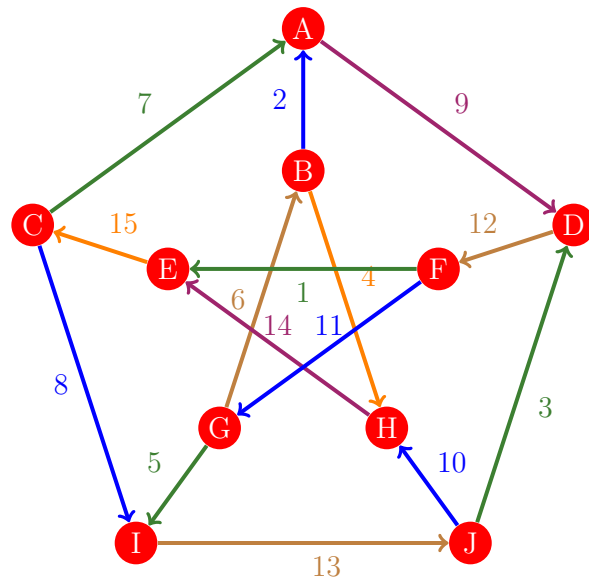


Figura 98: Flujo 90 de la gráfica de Petersen

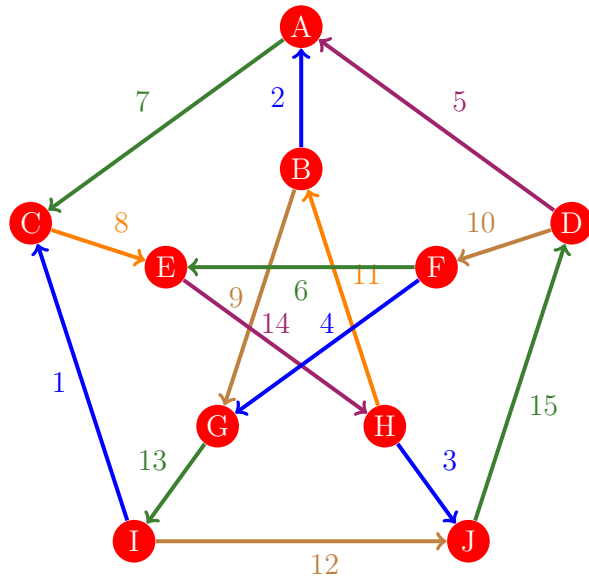


Figura 99: Flujo 91 de la gráfica de Petersen

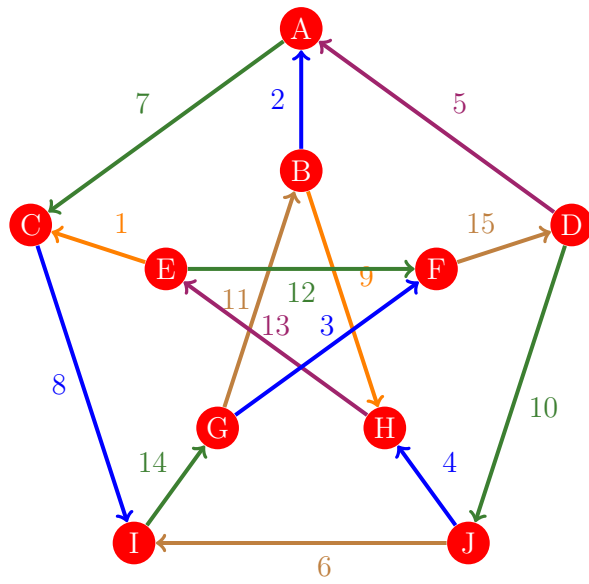


Figura 100: Flujo 92 de la gráfica de Petersen

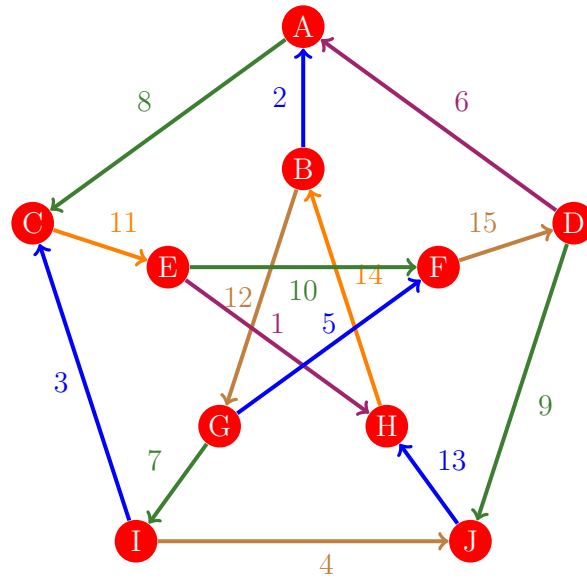


Figura 101: Flujo 93 de la gráfica de Petersen

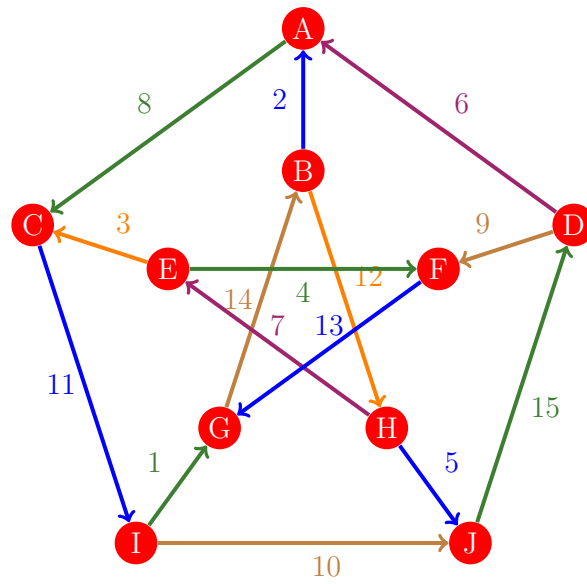


Figura 102: Flujo 94 de la gráfica de Petersen

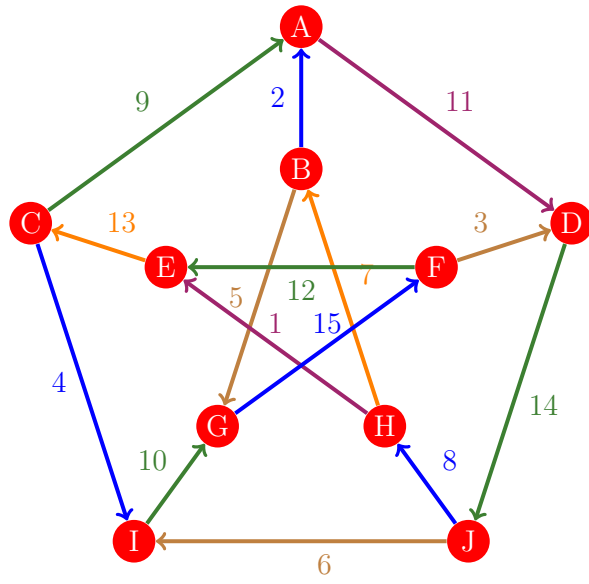


Figura 103: Flujo 95 de la gráfica de Petersen

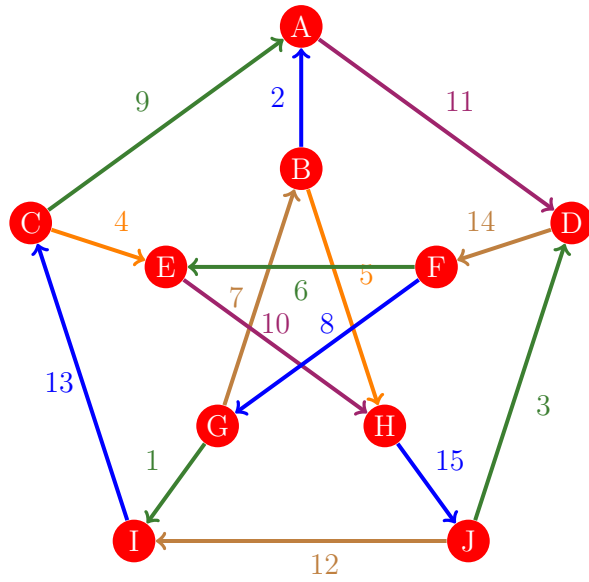


Figura 104: Flujo 96 de la gráfica de Petersen

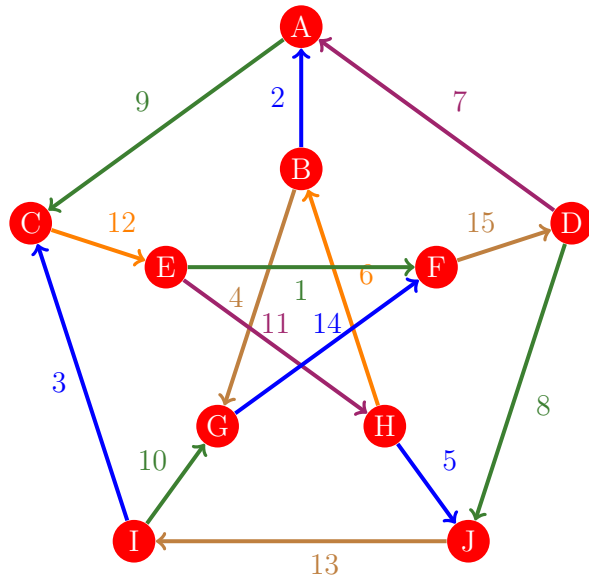


Figura 105: Flujo 97 de la gráfica de Petersen

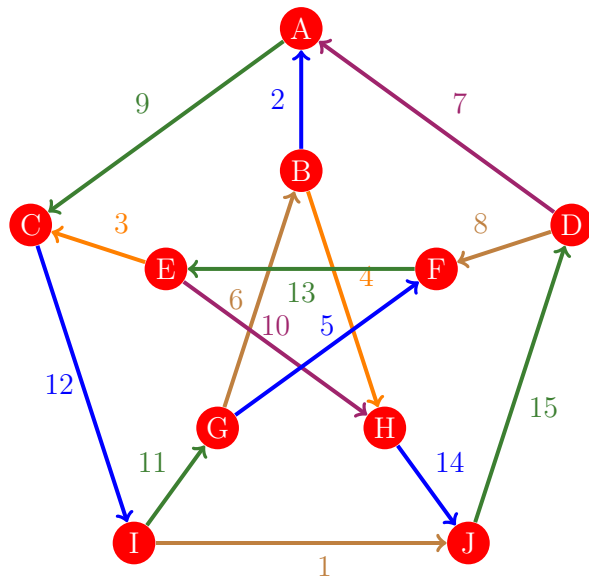


Figura 106: Flujo 98 de la gráfica de Petersen

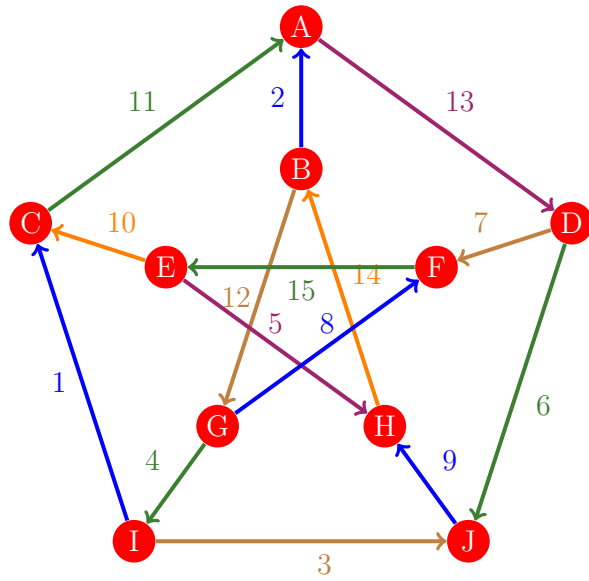


Figura 107: Flujo 99 de la gráfica de Petersen

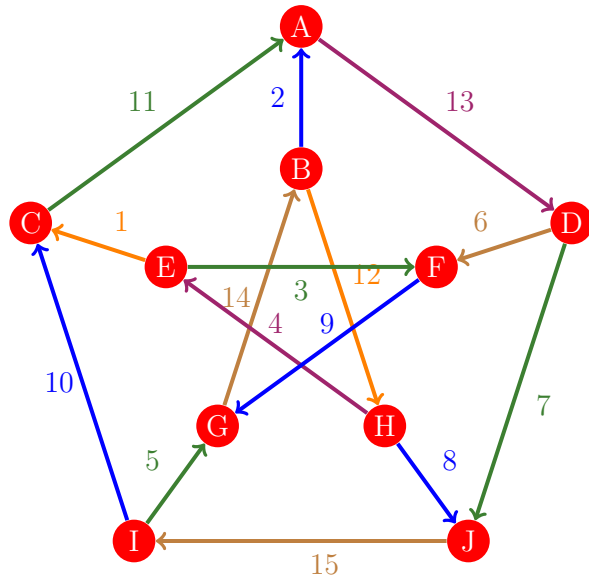


Figura 108: Flujo 100 de la gráfica de Petersen

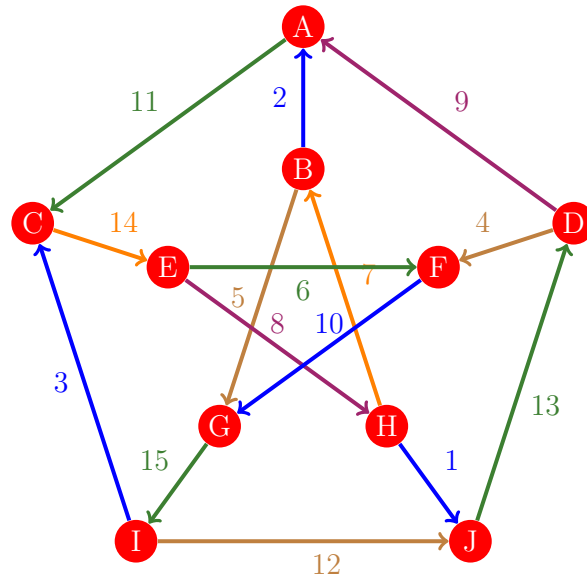


Figura 109: Flujo 101 de la gráfica de Petersen

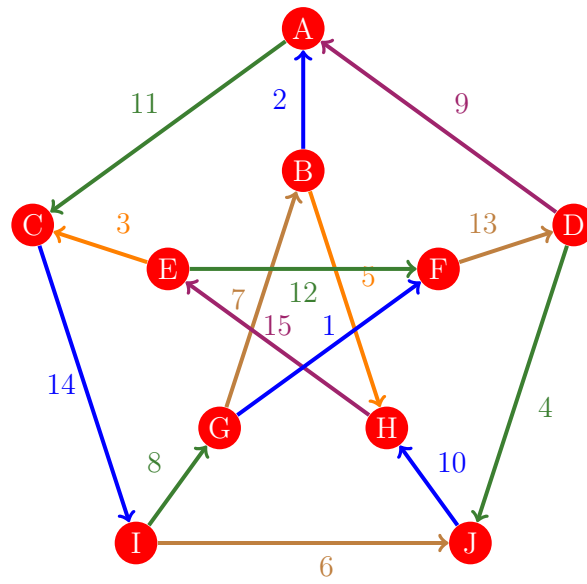


Figura 110: Flujo 102 de la gráfica de Petersen

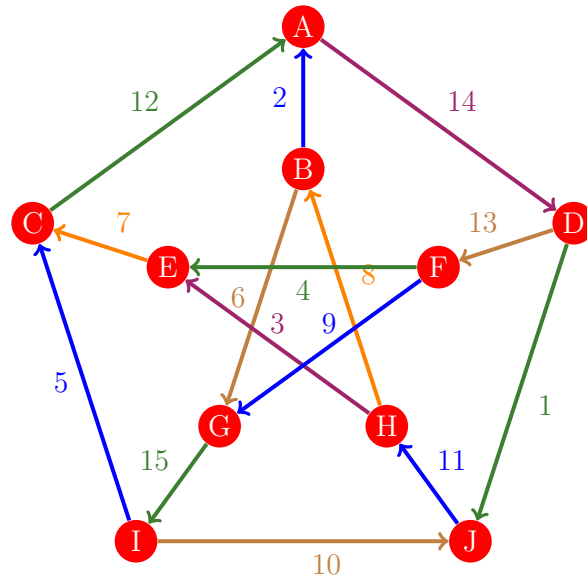


Figura 111: Flujo 103 de la gráfica de Petersen

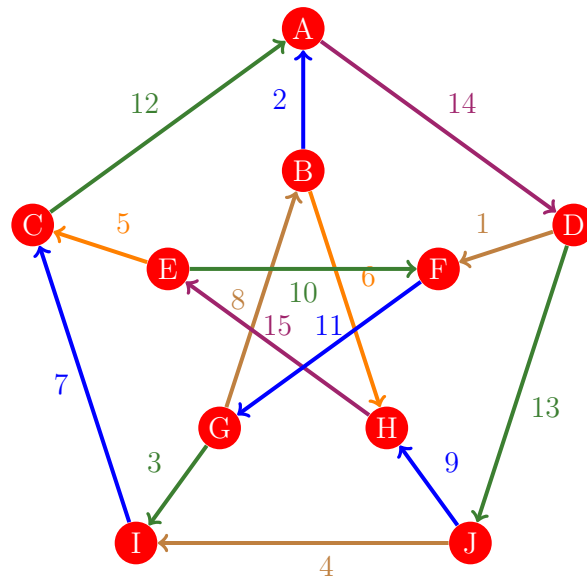


Figura 112: Flujo 104 de la gráfica de Petersen

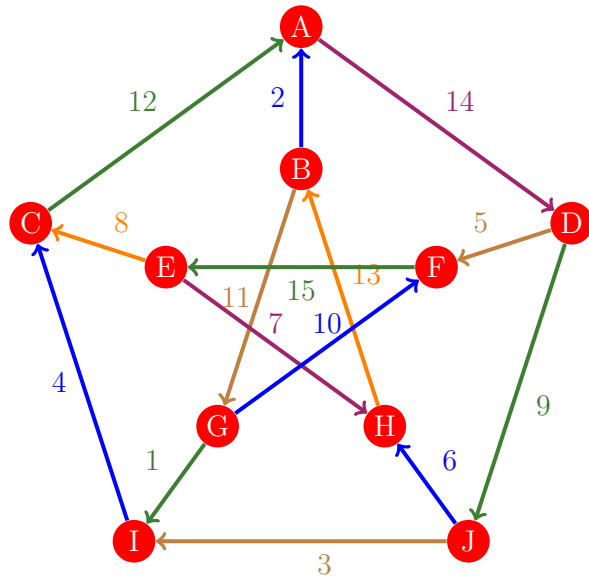


Figura 113: Flujo 105 de la gráfica de Petersen

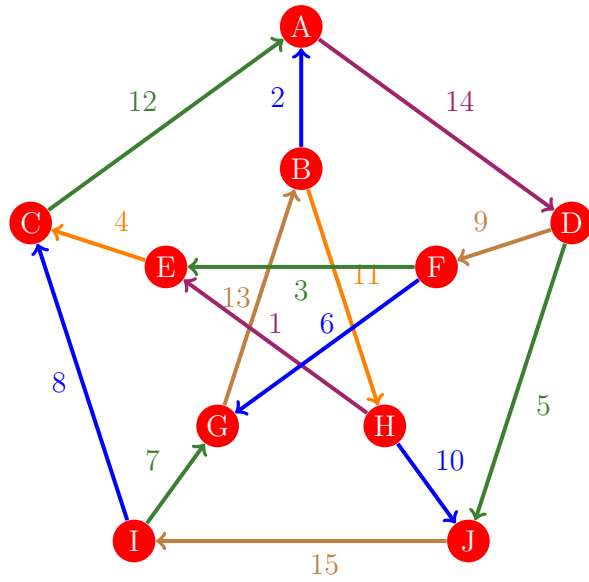


Figura 114: Flujo 106 de la gráfica de Petersen

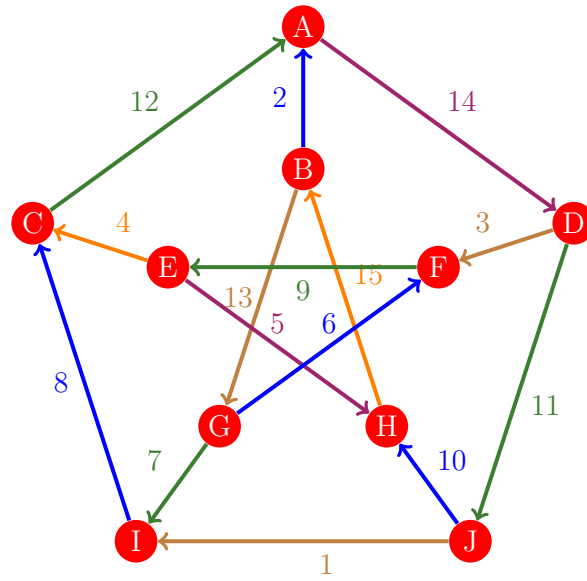


Figura 115: Flujo 107 de la gráfica de Petersen

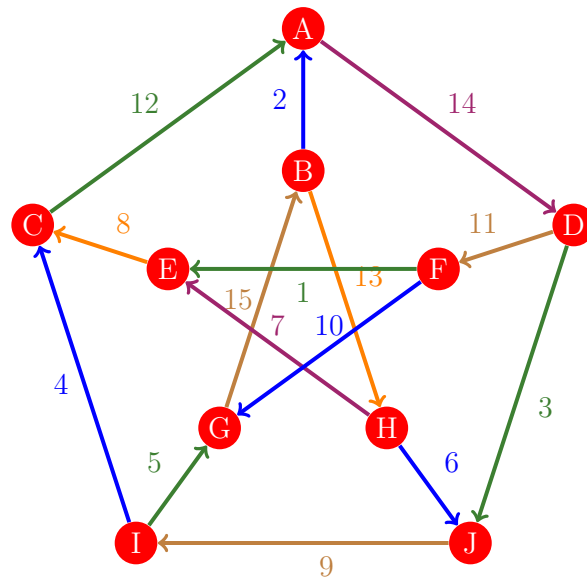


Figura 116: Flujo 108 de la gráfica de Petersen

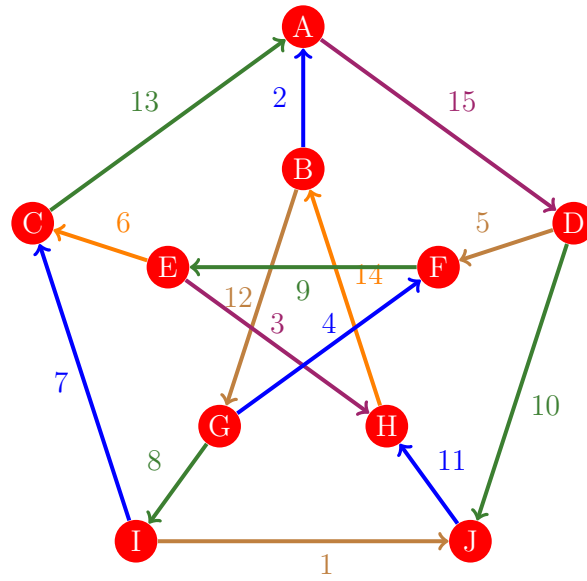


Figura 117: Flujo 109 de la gráfica de Petersen

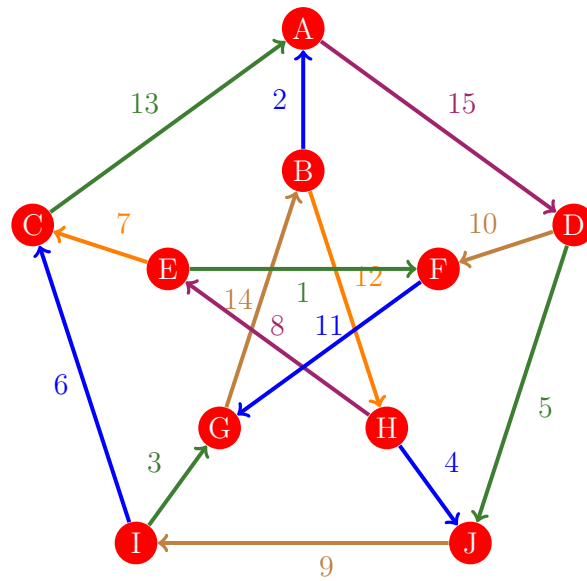


Figura 118: Flujo 110 de la gráfica de Petersen

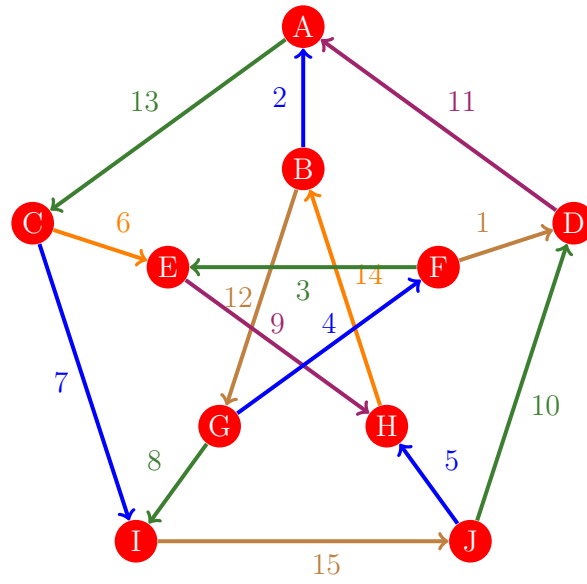


Figura 119: Flujo 111 de la gráfica de Petersen

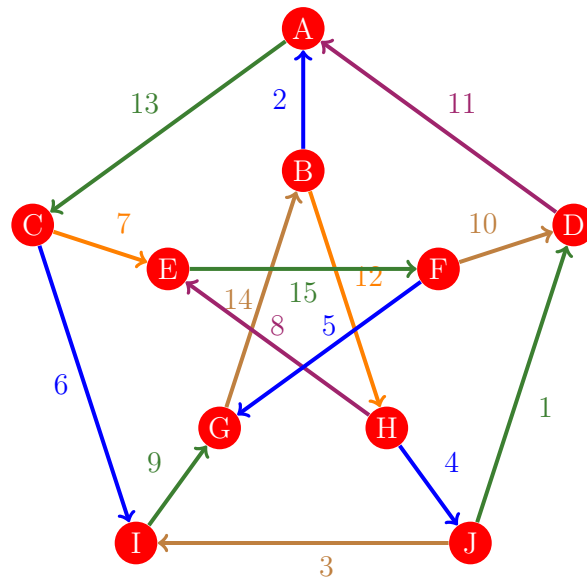


Figura 120: Flujo 112 de la gráfica de Petersen

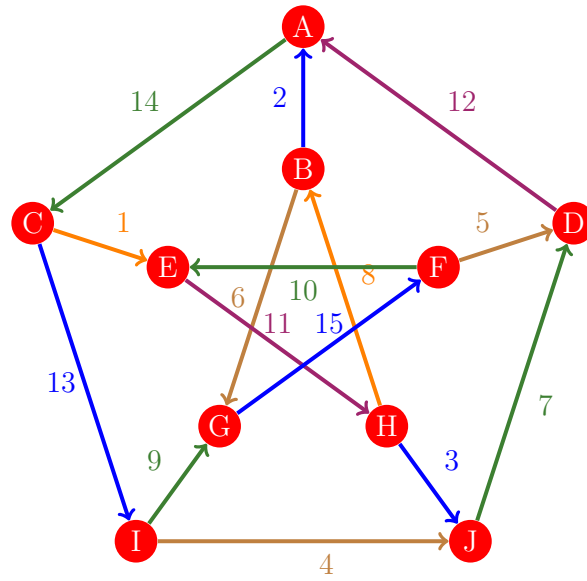


Figura 121: Flujo 113 de la gráfica de Petersen

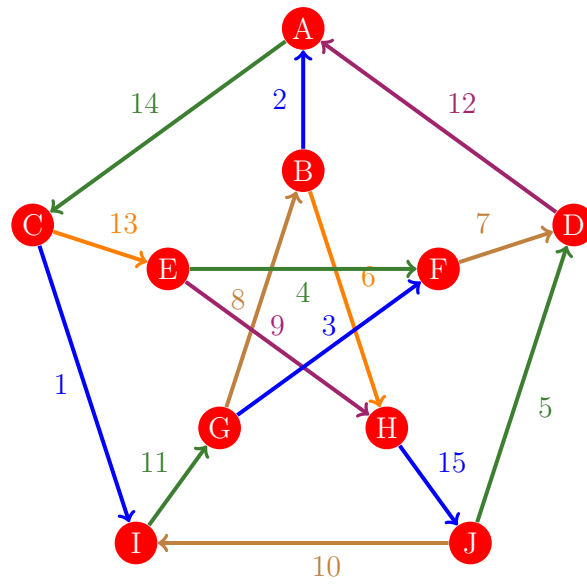


Figura 122: Flujo 114 de la gráfica de Petersen

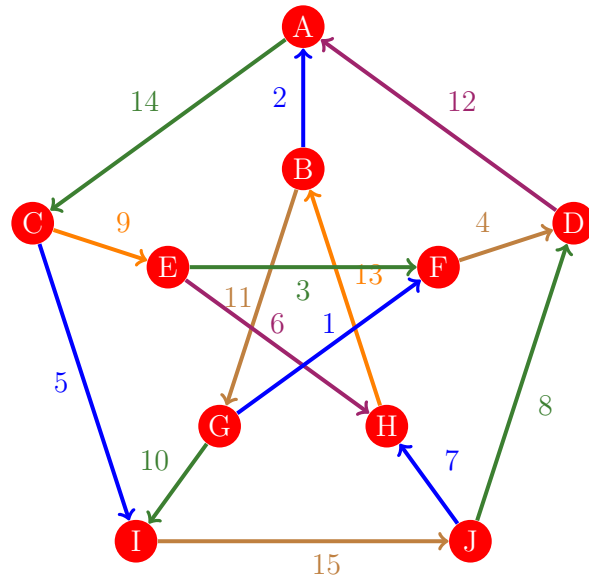


Figura 123: Flujo 115 de la gráfica de Petersen

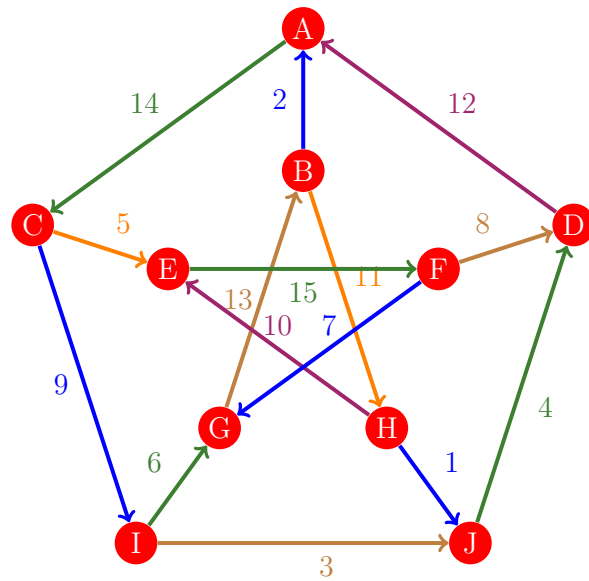


Figura 124: Flujo 116 de la gráfica de Petersen

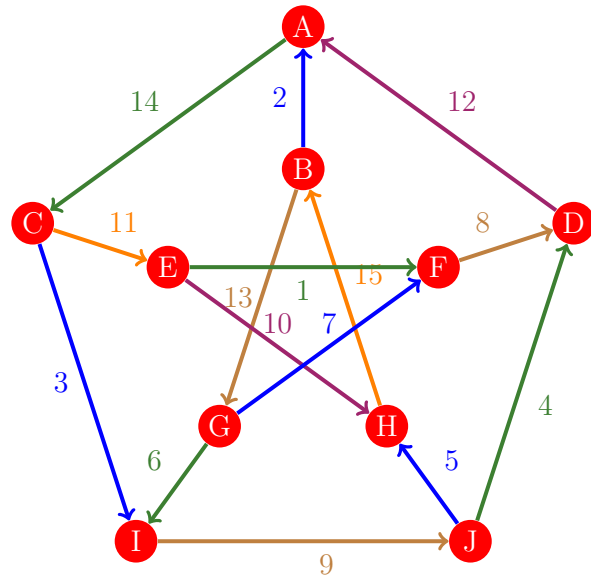


Figura 125: Flujo 117 de la gráfica de Petersen

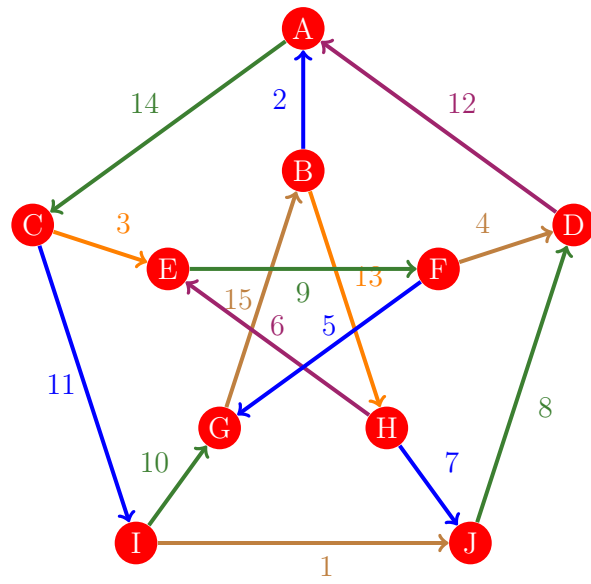


Figura 126: Flujo 118 de la gráfica de Petersen

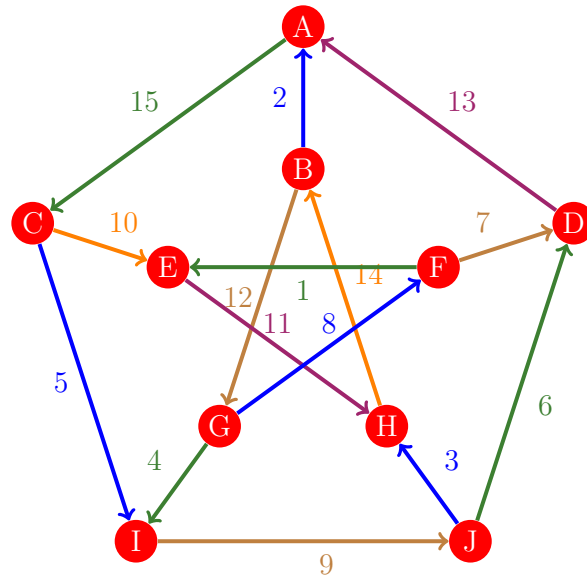


Figura 127: Flujo 119 de la gráfica de Petersen

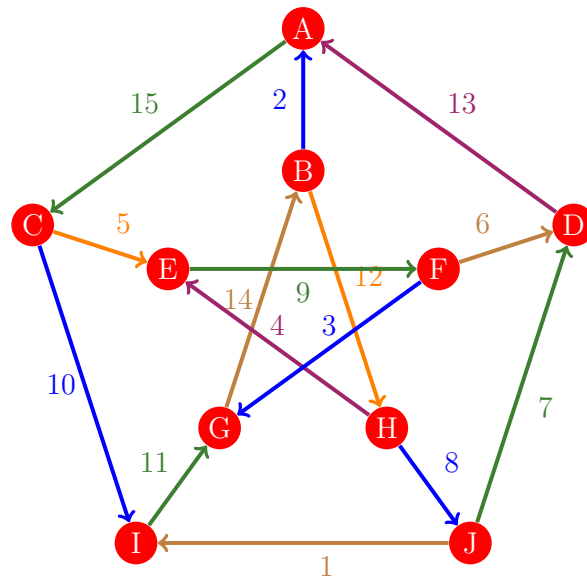


Figura 128: Flujo 120 de la gráfica de Petersen

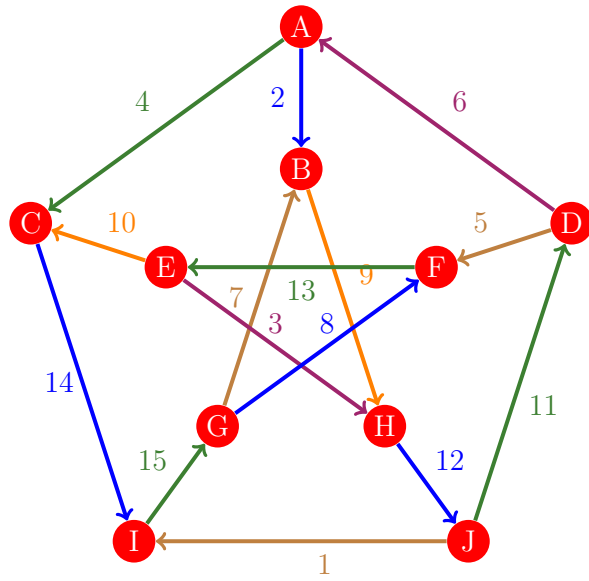


Figura 129: Flujo 121 de la gráfica de Petersen

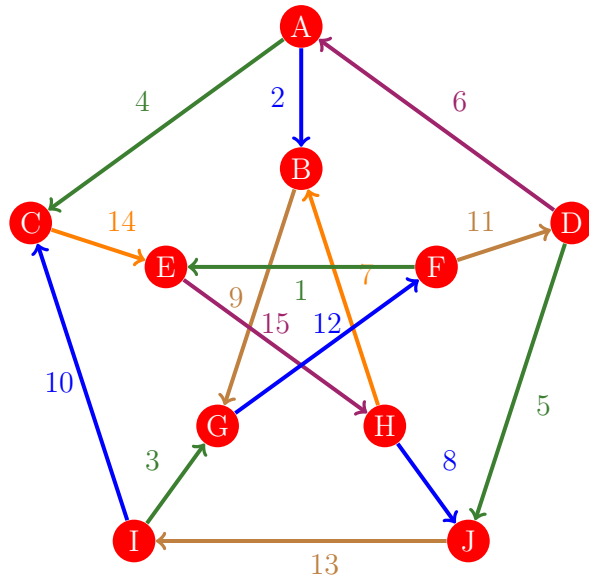


Figura 130: Flujo 122 de la gráfica de Petersen

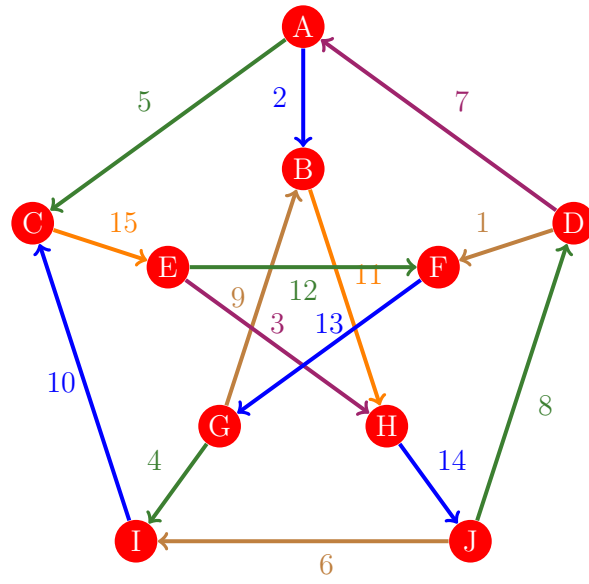


Figura 131: Flujo 123 de la gráfica de Petersen

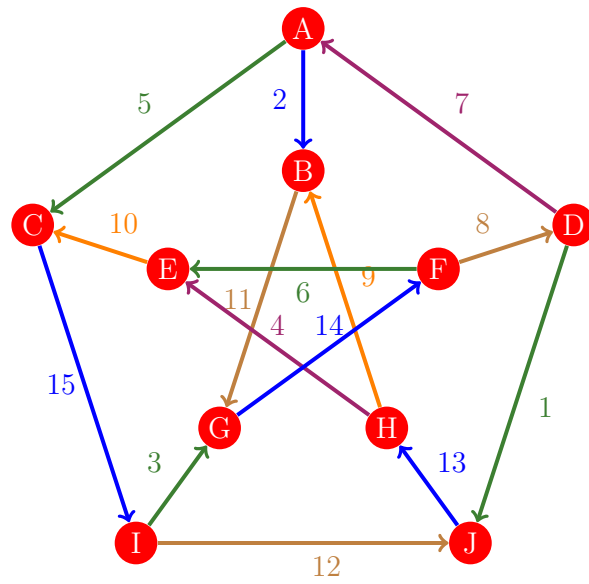


Figura 132: Flujo 124 de la gráfica de Petersen

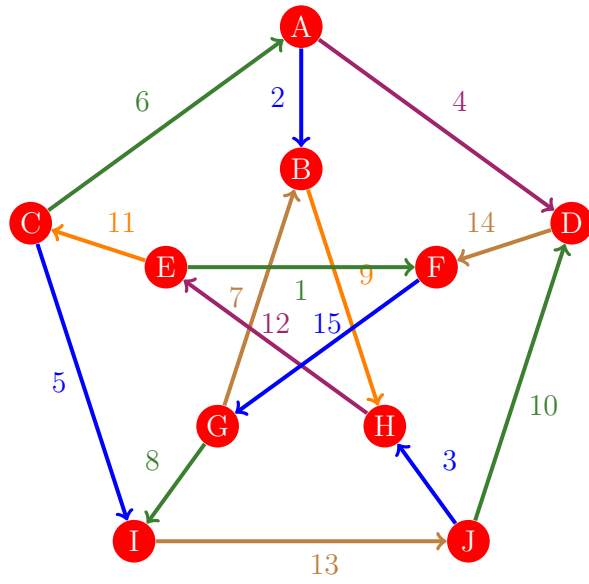


Figura 133: Flujo 125 de la gráfica de Petersen

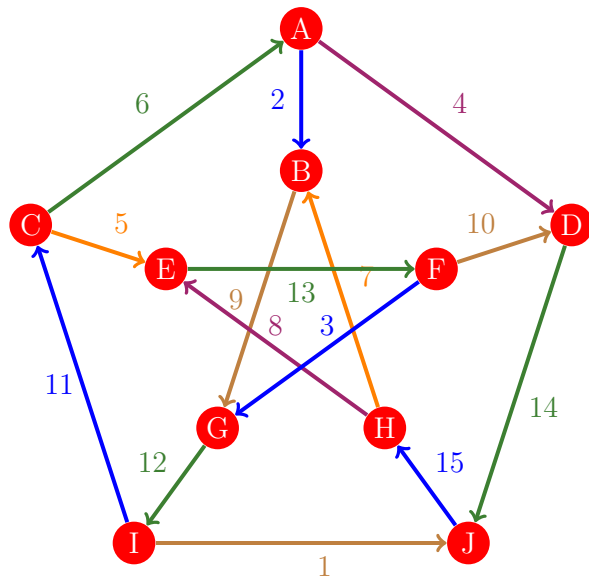


Figura 134: Flujo 126 de la gráfica de Petersen

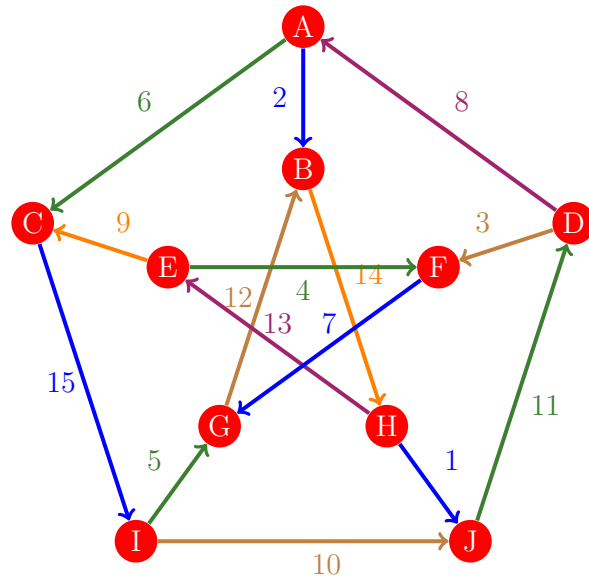


Figura 135: Flujo 127 de la gráfica de Petersen

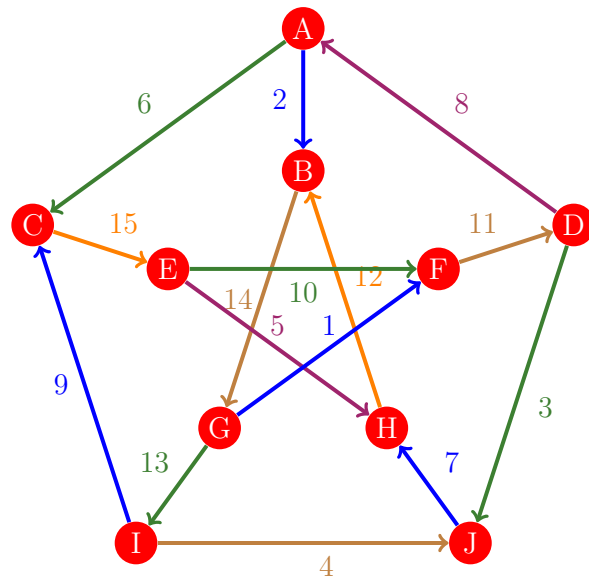


Figura 136: Flujo 128 de la gráfica de Petersen

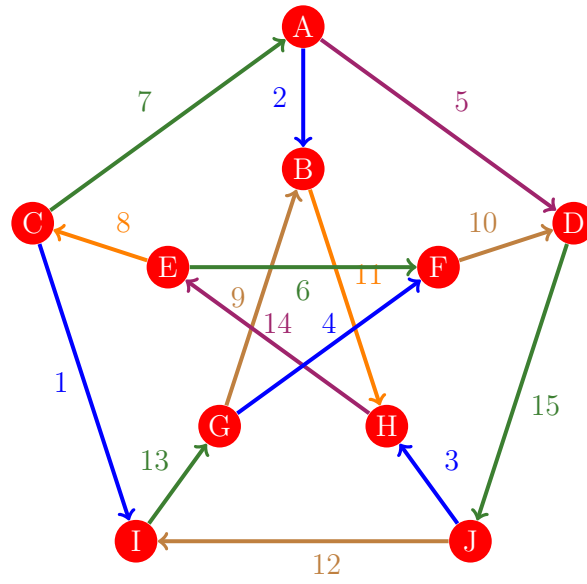


Figura 137: Flujo 129 de la gráfica de Petersen

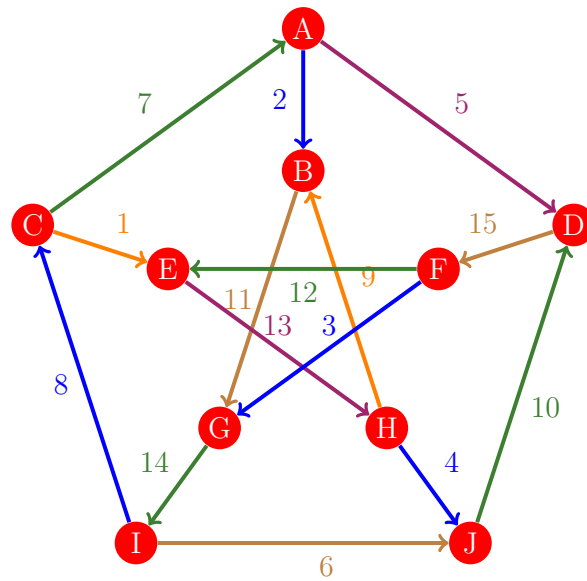


Figura 138: Flujo 130 de la gráfica de Petersen

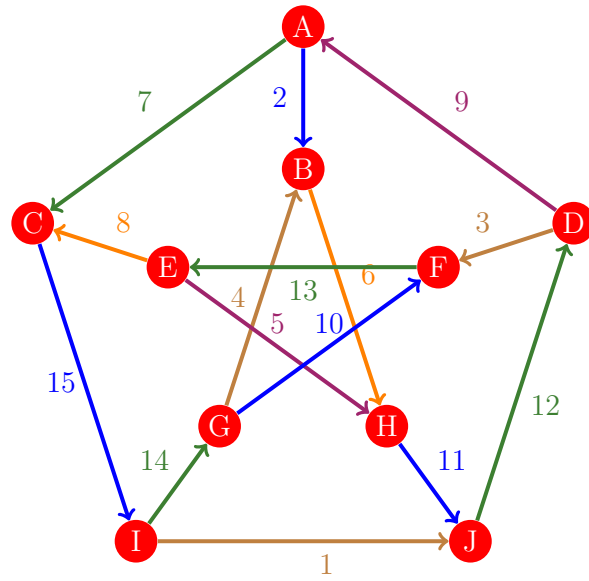


Figura 139: Flujo 131 de la gráfica de Petersen

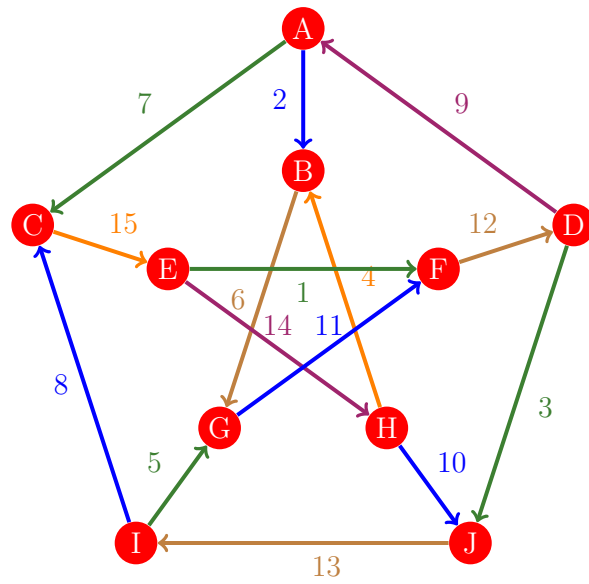


Figura 140: Flujo 132 de la gráfica de Petersen

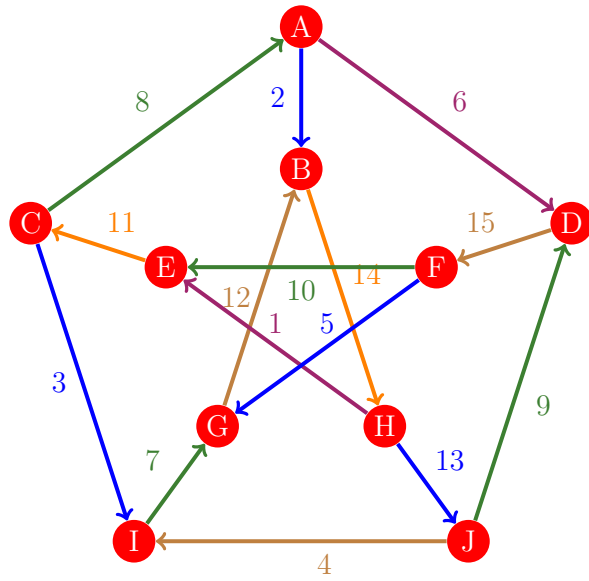


Figura 141: Flujo 133 de la gráfica de Petersen

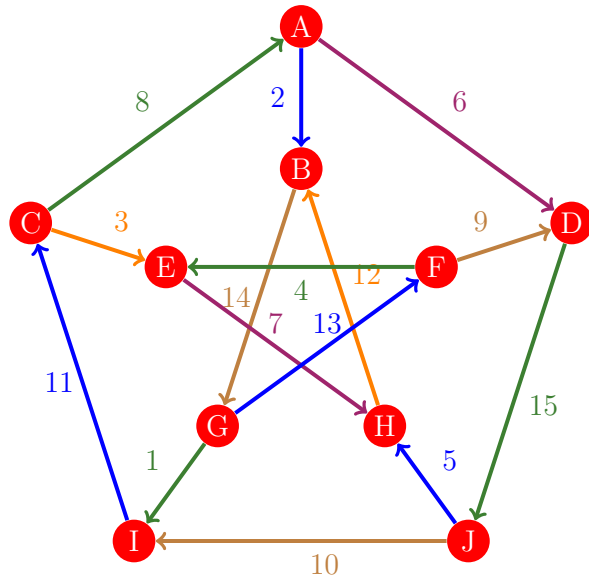


Figura 142: Flujo 134 de la gráfica de Petersen

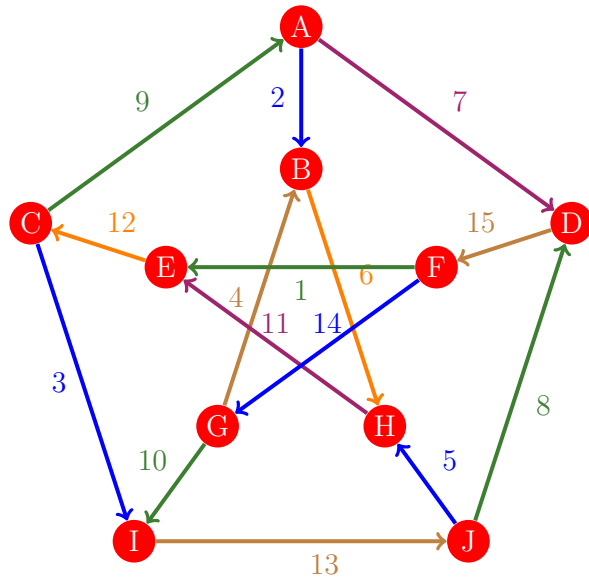


Figura 143: Flujo 135 de la gráfica de Petersen

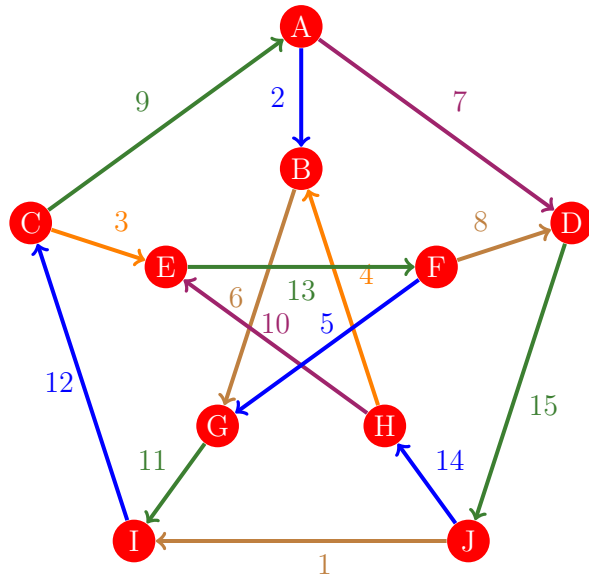


Figura 144: Flujo 136 de la gráfica de Petersen

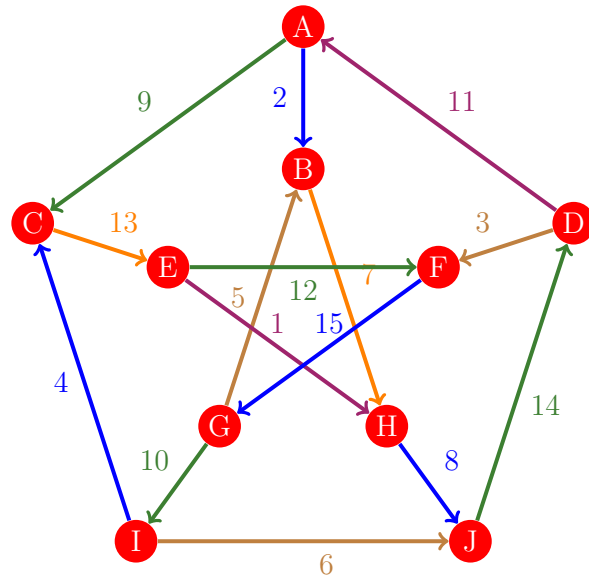


Figura 145: Flujo 137 de la gráfica de Petersen

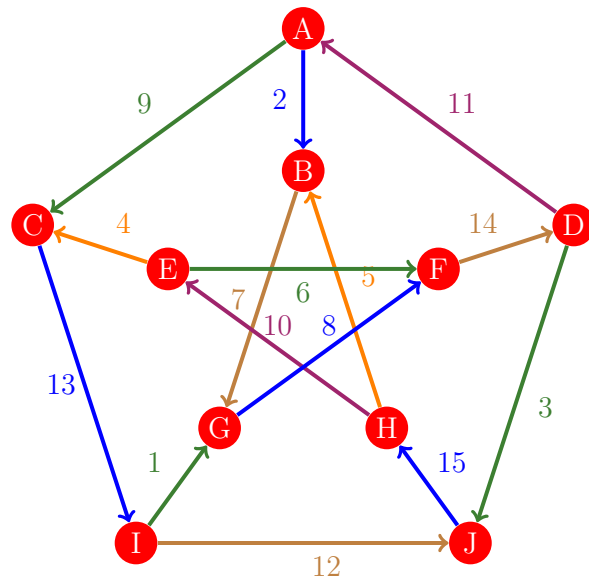


Figura 146: Flujo 138 de la gráfica de Petersen

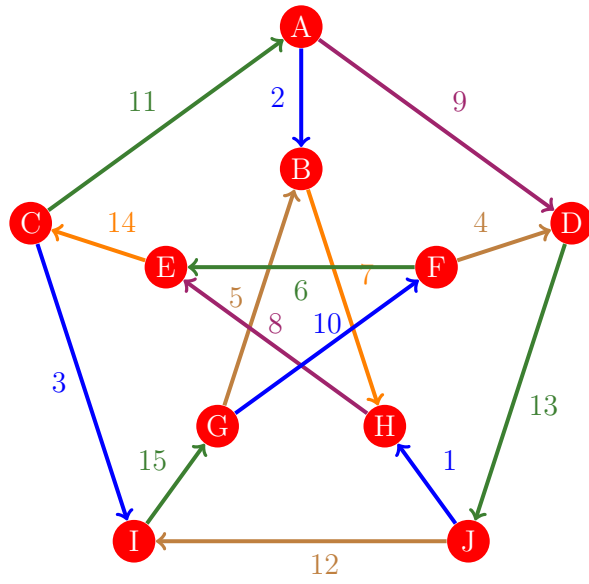


Figura 147: Flujo 139 de la gráfica de Petersen

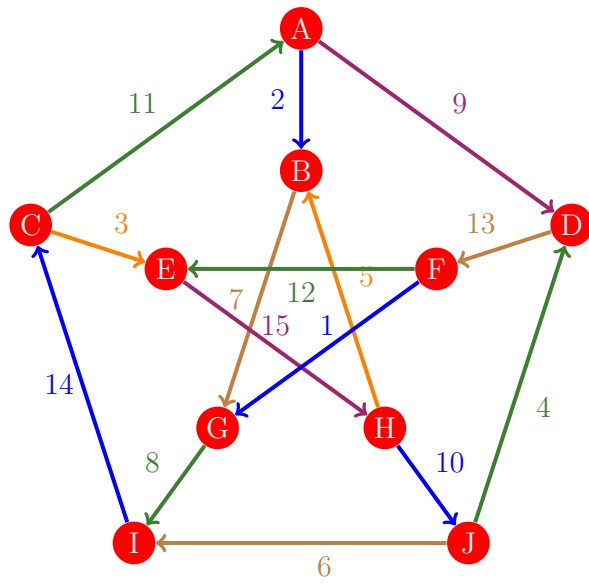


Figura 148: Flujo 140 de la gráfica de Petersen

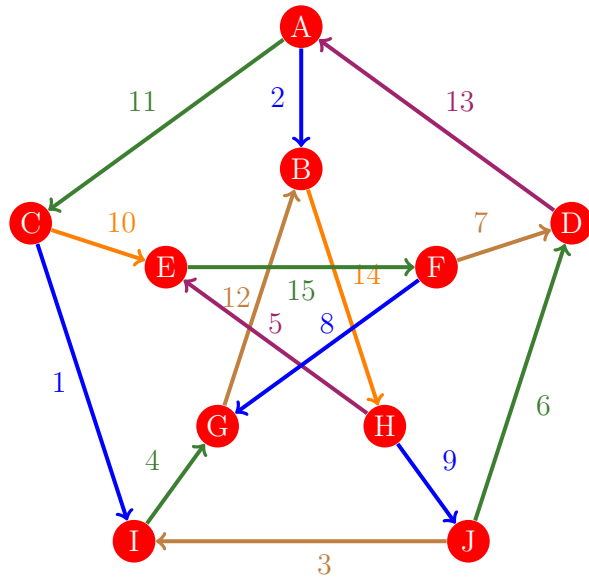


Figura 149: Flujo 141 de la gráfica de Petersen

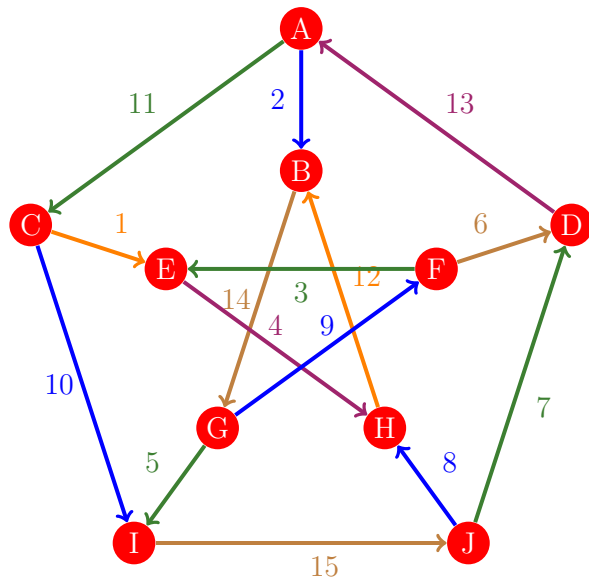


Figura 150: Flujo 142 de la gráfica de Petersen

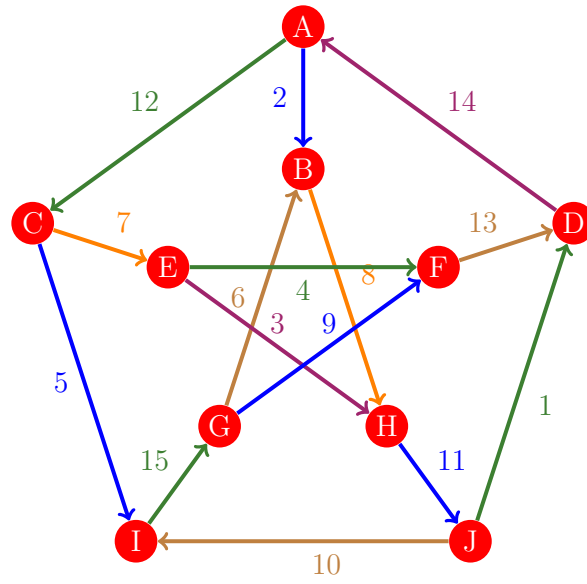


Figura 151: Flujo 143 de la gráfica de Petersen

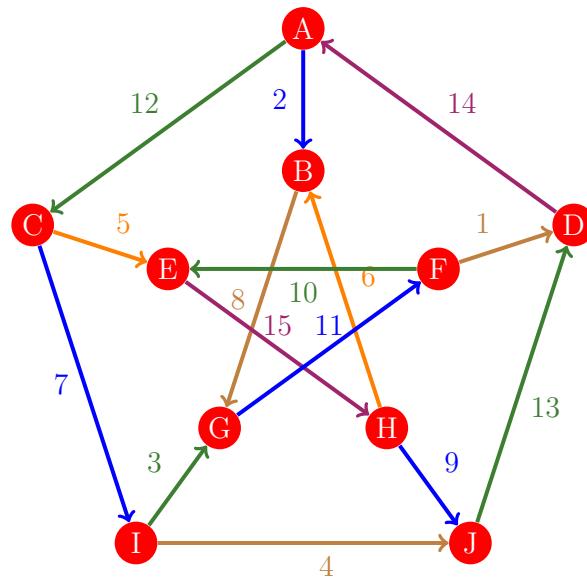


Figura 152: Flujo 144 de la gráfica de Petersen

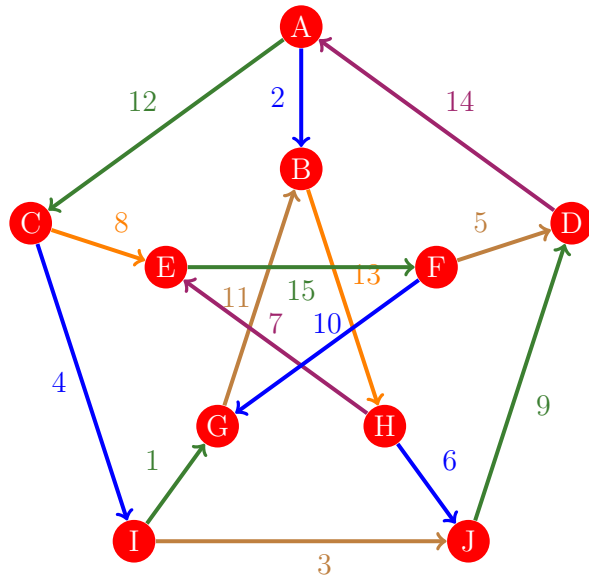


Figura 153: Flujo 145 de la gráfica de Petersen

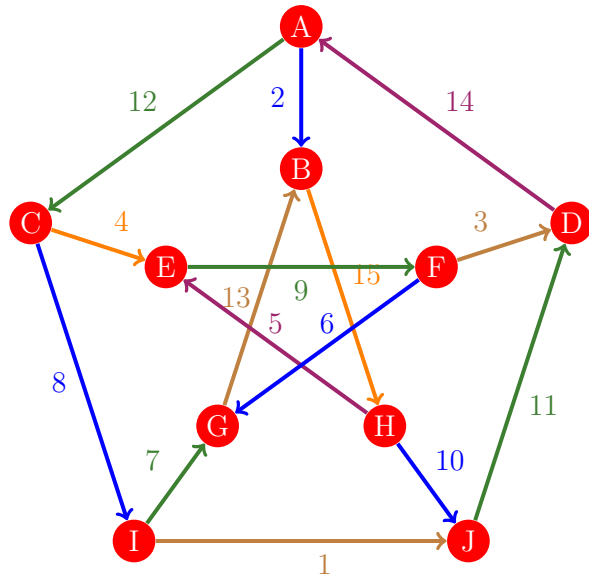


Figura 154: Flujo 146 de la gráfica de Petersen

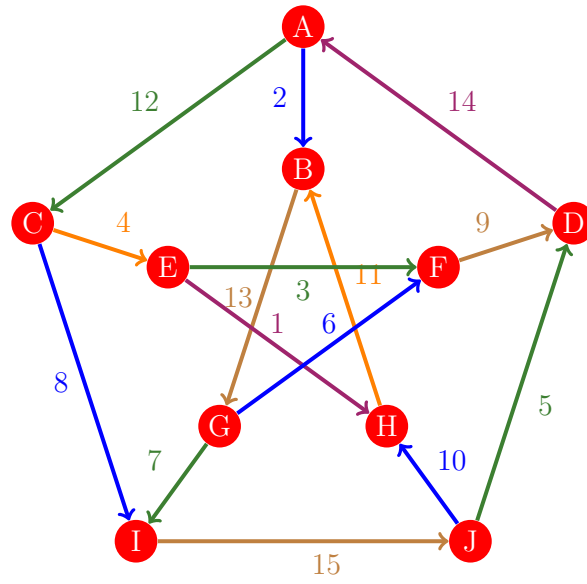


Figura 155: Flujo 147 de la gráfica de Petersen

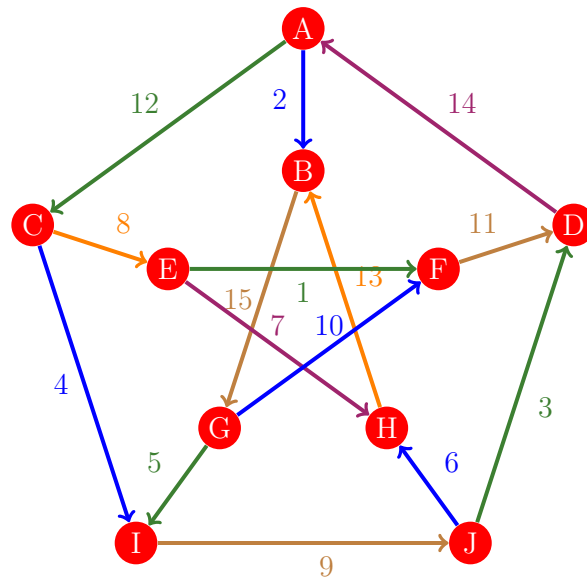


Figura 156: Flujo 148 de la gráfica de Petersen

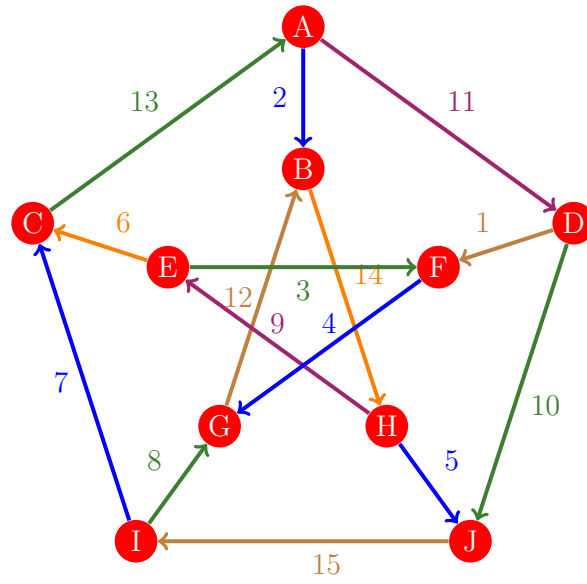


Figura 157: Flujo 149 de la gráfica de Petersen

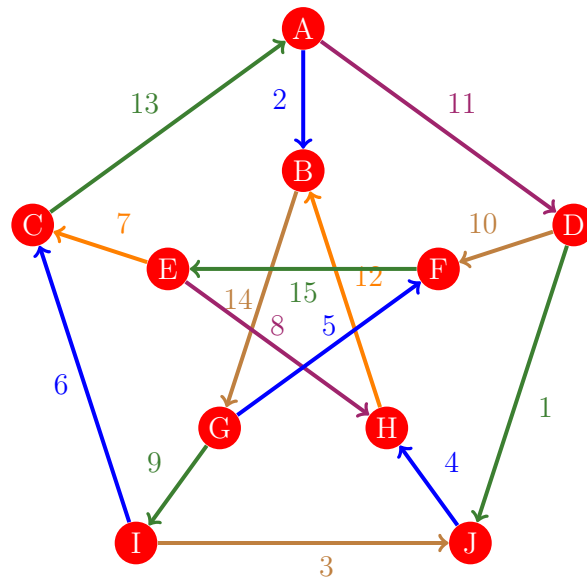


Figura 158: Flujo 150 de la gráfica de Petersen

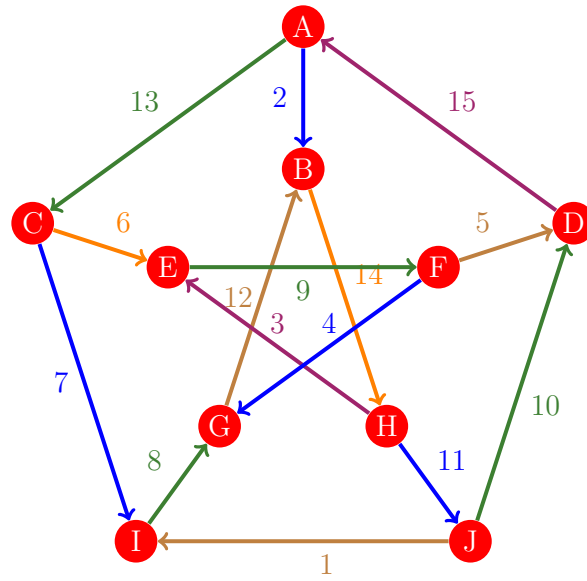


Figura 159: Flujo 151 de la gráfica de Petersen

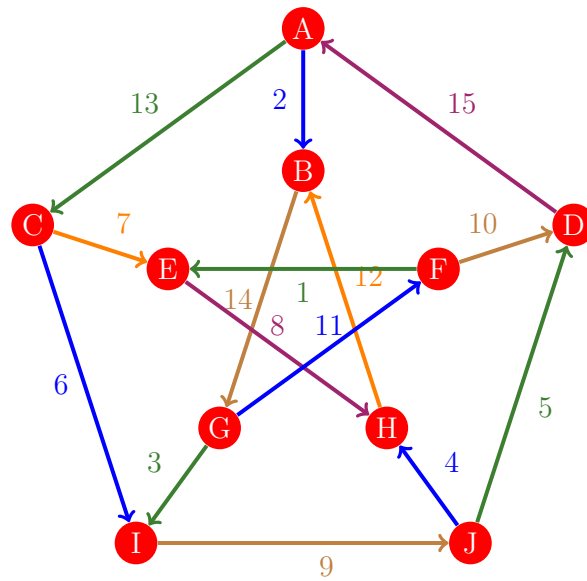


Figura 160: Flujo 152 de la gráfica de Petersen

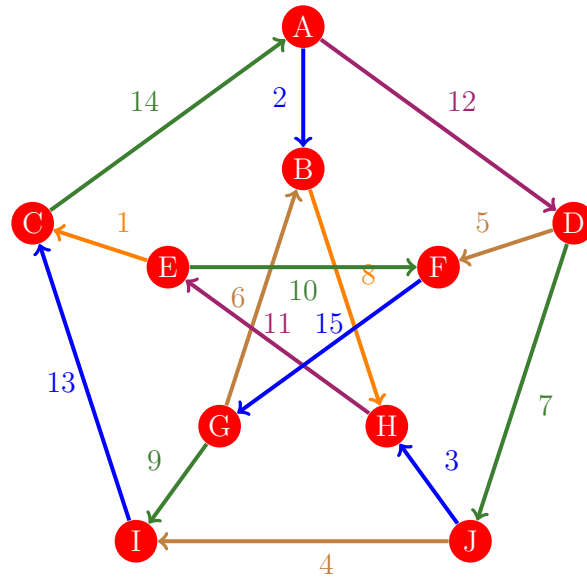


Figura 161: Flujo 153 de la gráfica de Petersen

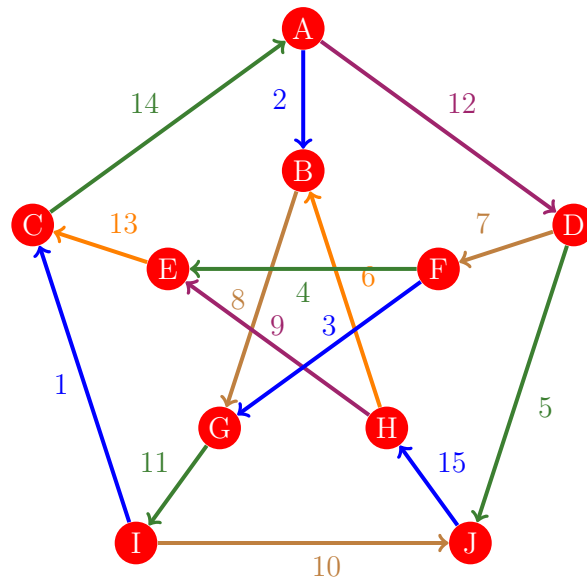


Figura 162: Flujo 154 de la gráfica de Petersen

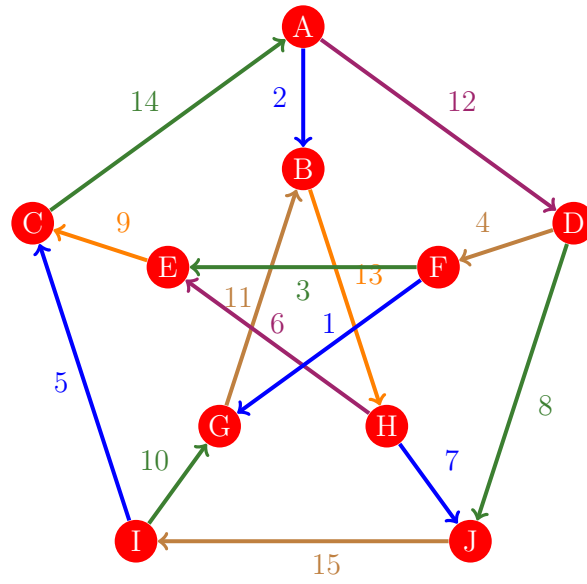


Figura 163: Flujo 155 de la gráfica de Petersen

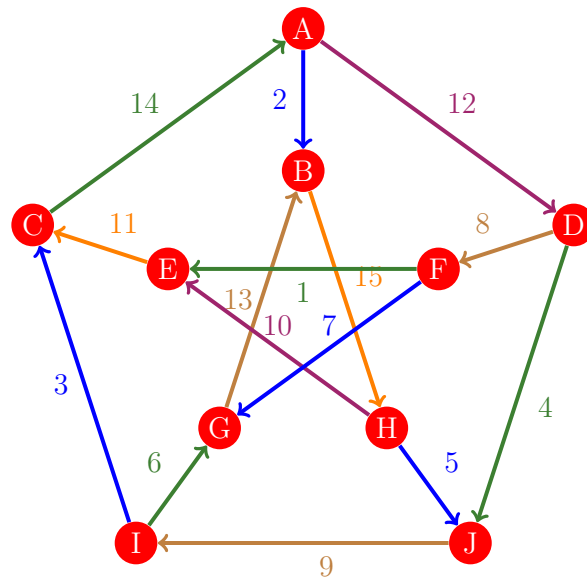


Figura 164: Flujo 156 de la gráfica de Petersen

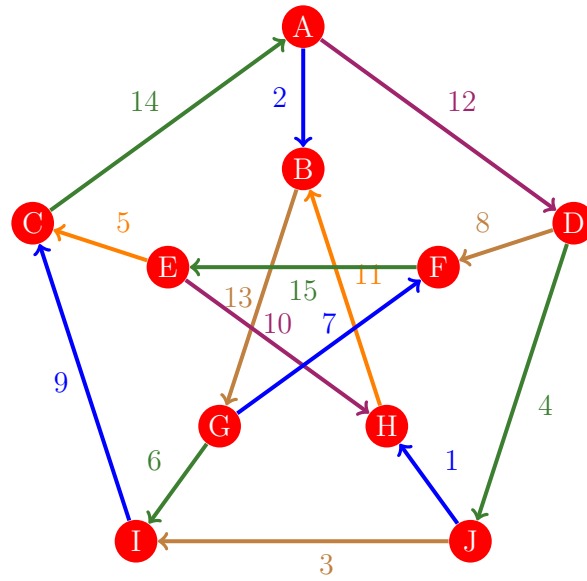


Figura 165: Flujo 157 de la gráfica de Petersen

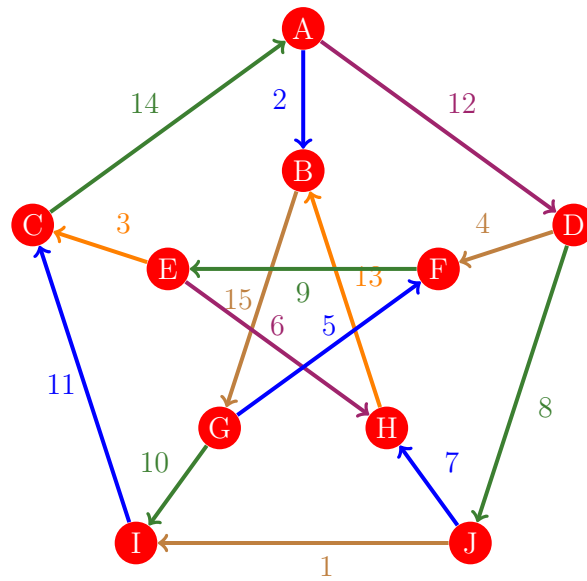


Figura 166: Flujo 158 de la gráfica de Petersen

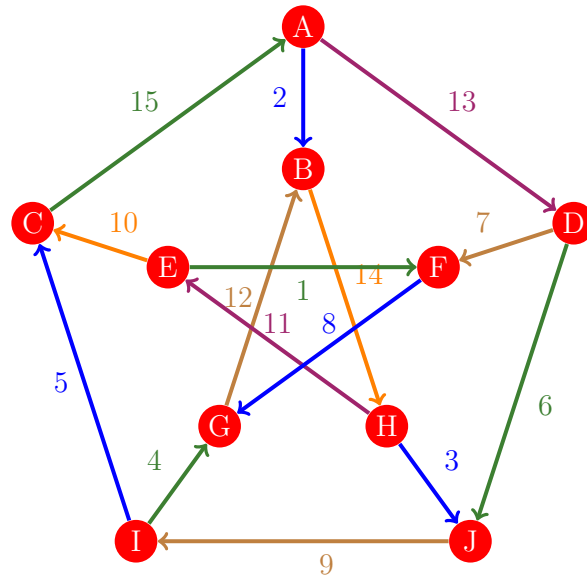


Figura 167: Flujo 159 de la gráfica de Petersen

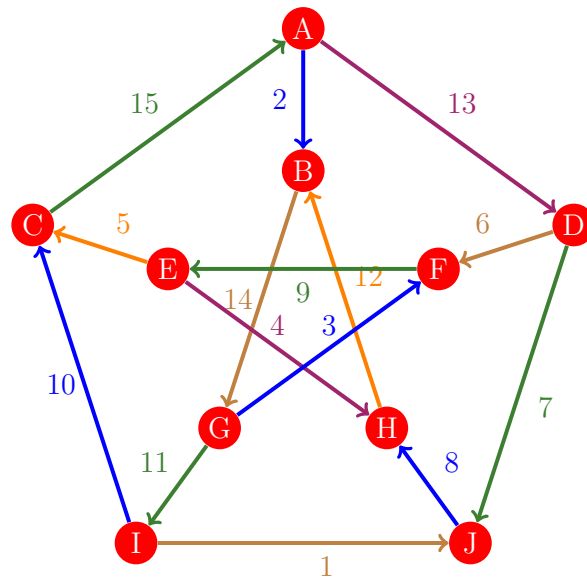


Figura 168: Flujo 160 de la gráfica de Petersen

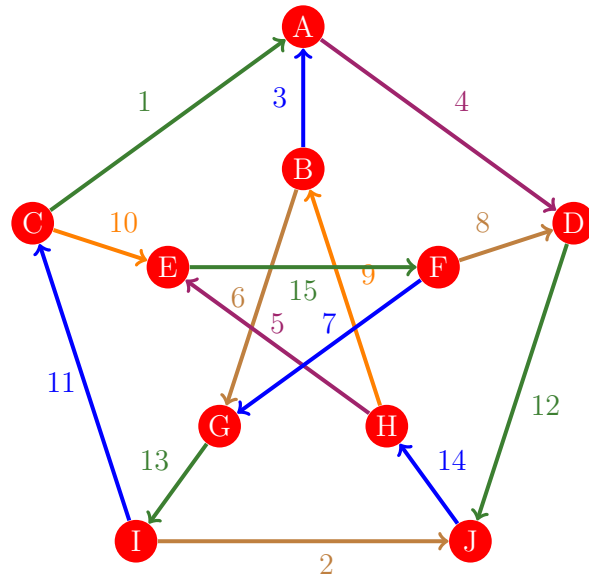


Figura 169: Flujo 161 de la gráfica de Petersen

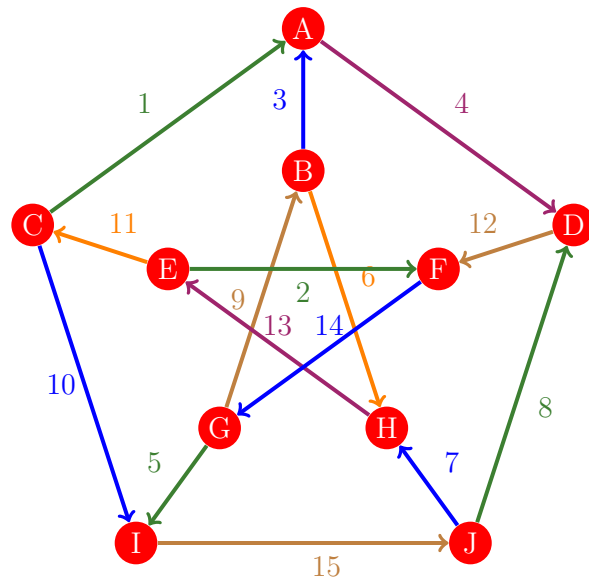


Figura 170: Flujo 162 de la gráfica de Petersen

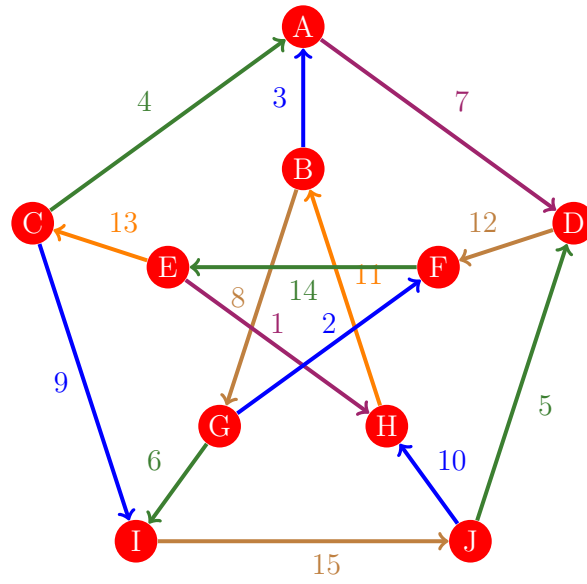


Figura 171: Flujo 163 de la gráfica de Petersen

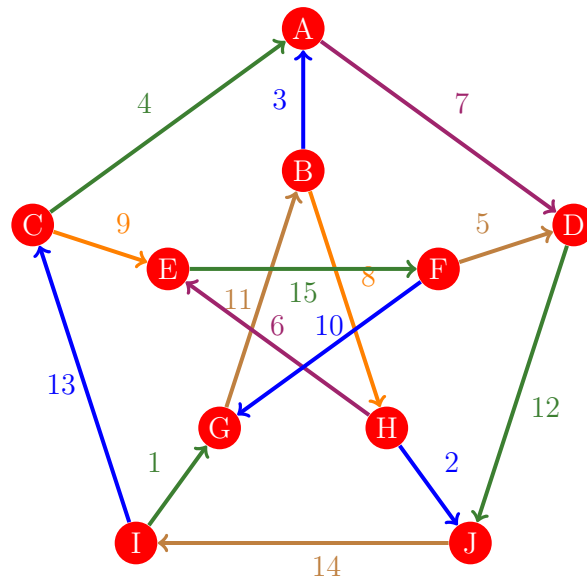


Figura 172: Flujo 164 de la gráfica de Petersen

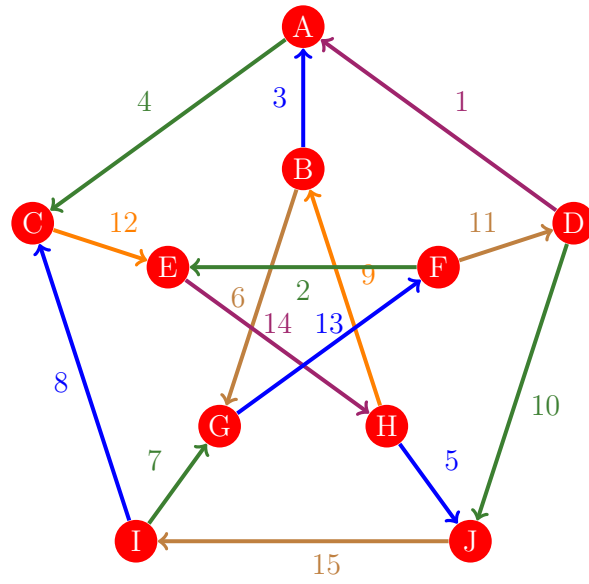


Figura 173: Flujo 165 de la gráfica de Petersen

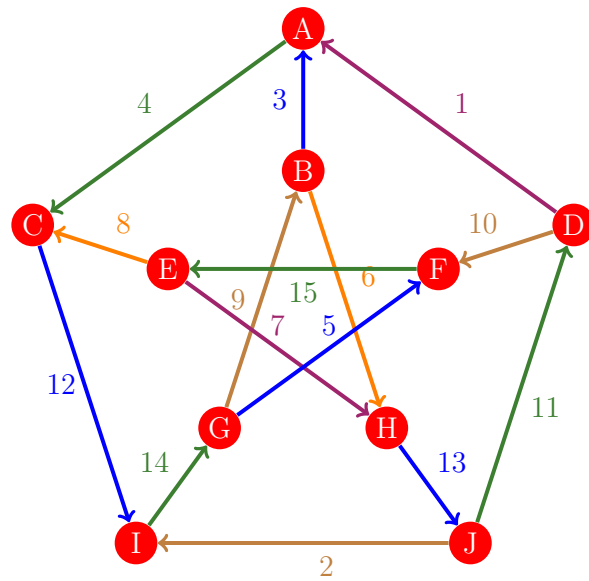


Figura 174: Flujo 166 de la gráfica de Petersen

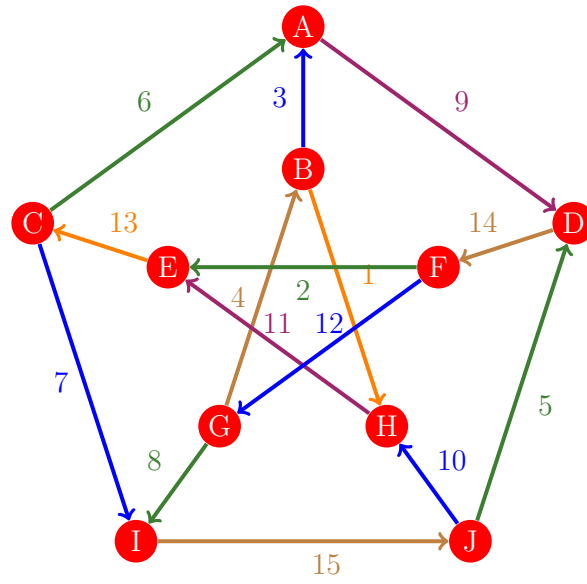


Figura 175: Flujo 167 de la gráfica de Petersen

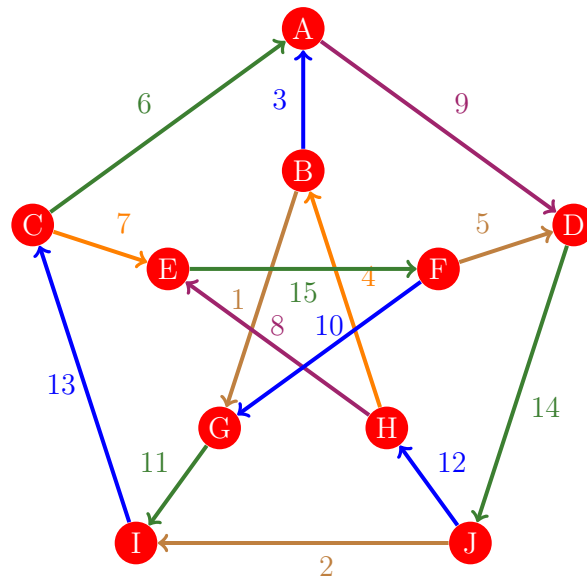


Figura 176: Flujo 168 de la gráfica de Petersen

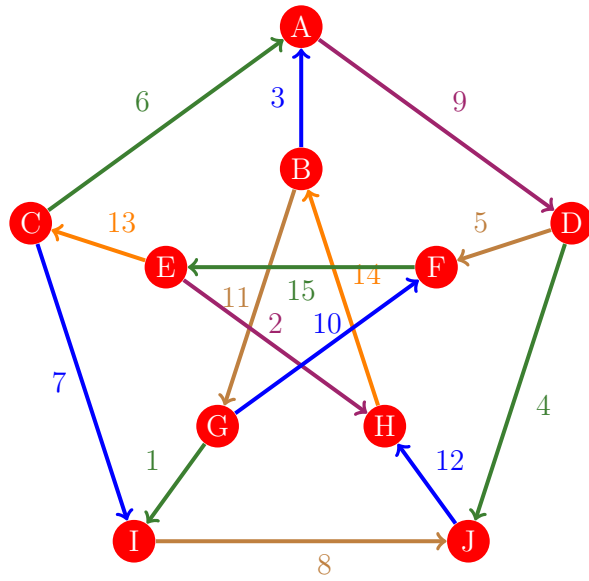


Figura 177: Flujo 169 de la gráfica de Petersen

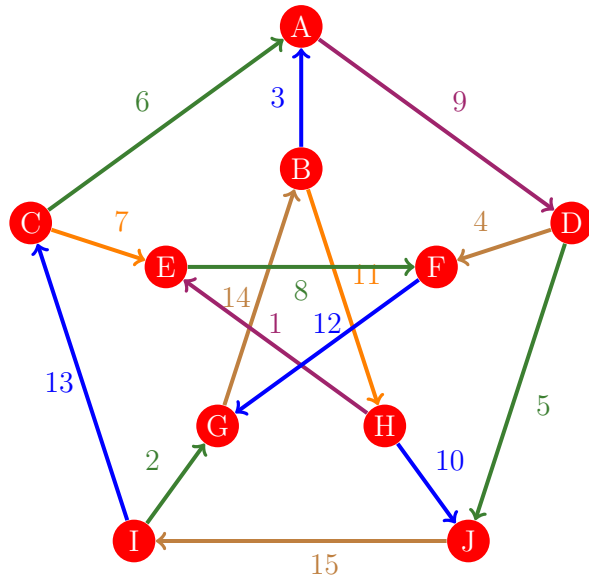


Figura 178: Flujo 170 de la gráfica de Petersen

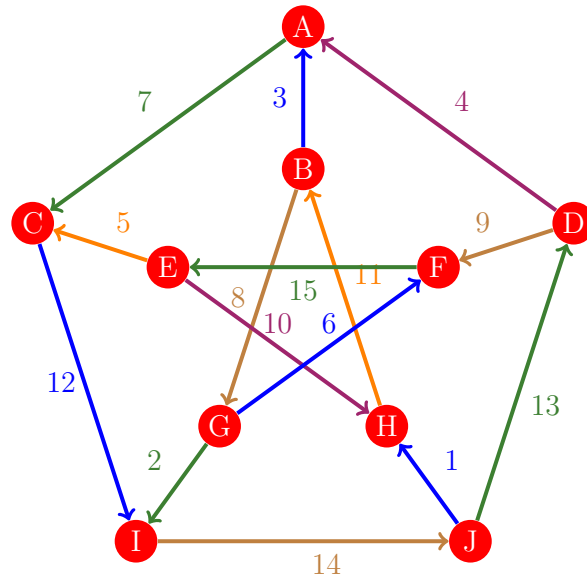


Figura 179: Flujo 171 de la gráfica de Petersen

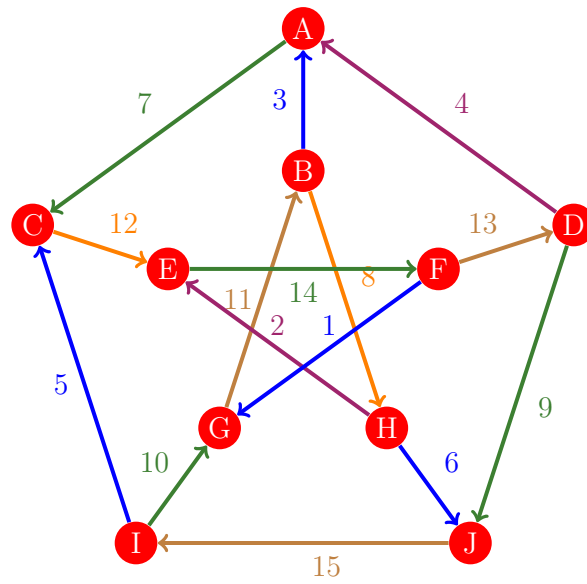


Figura 180: Flujo 172 de la gráfica de Petersen

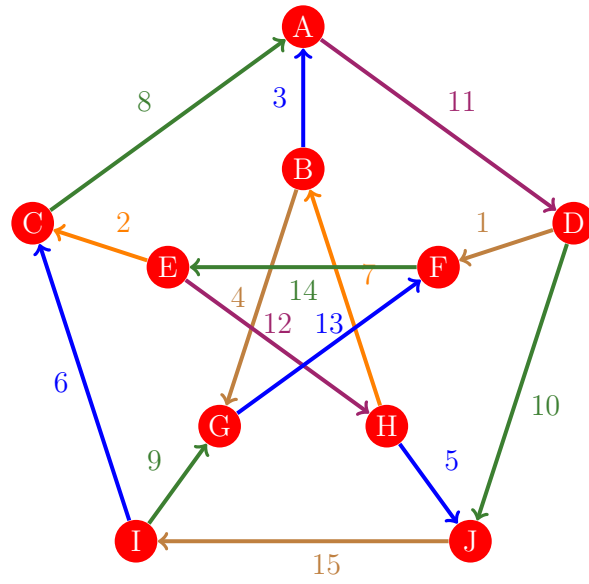


Figura 181: Flujo 173 de la gráfica de Petersen

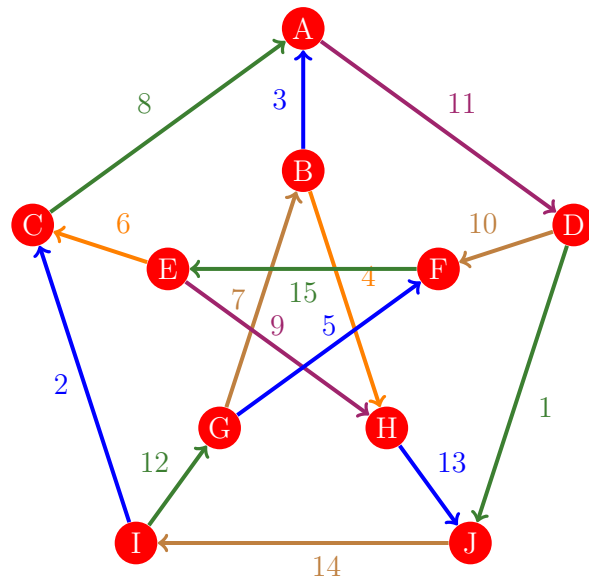


Figura 182: Flujo 174 de la gráfica de Petersen

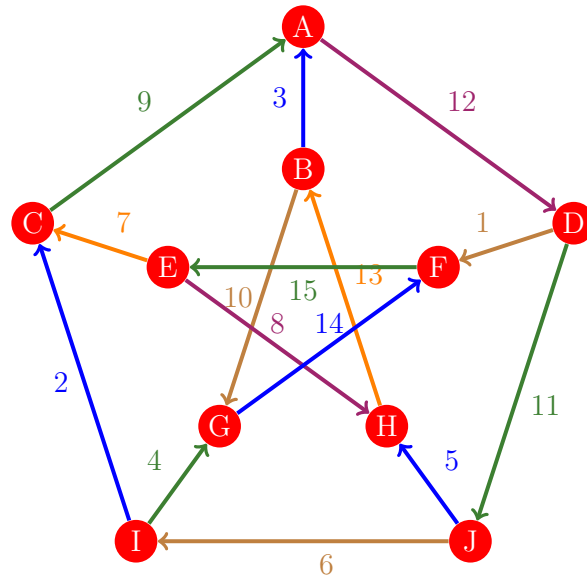


Figura 183: Flujo 175 de la gráfica de Petersen

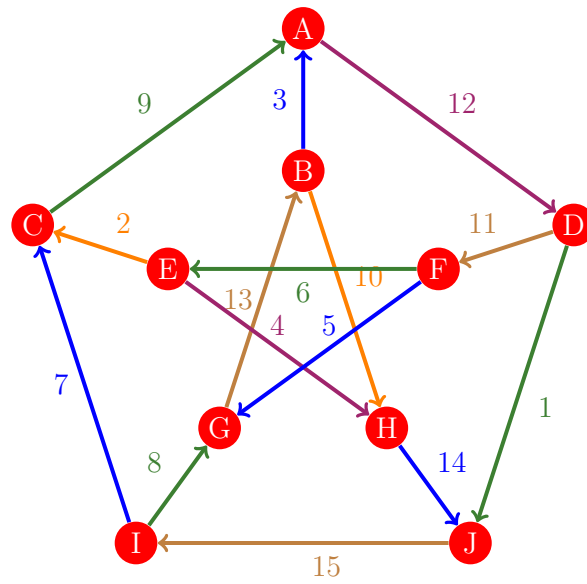


Figura 184: Flujo 176 de la gráfica de Petersen

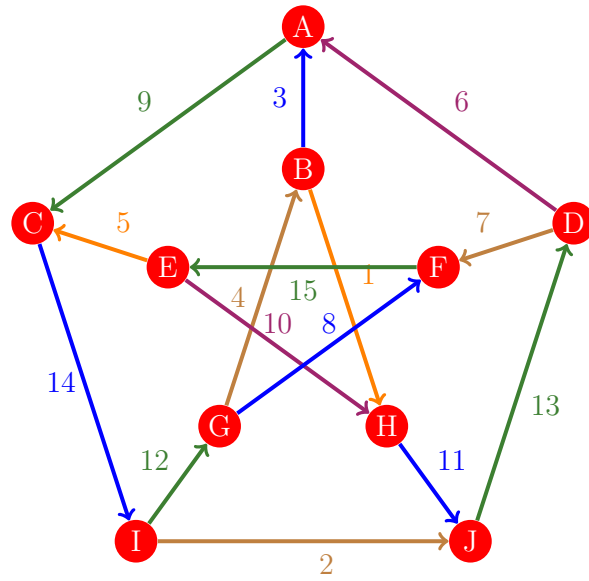


Figura 185: Flujo 177 de la gráfica de Petersen

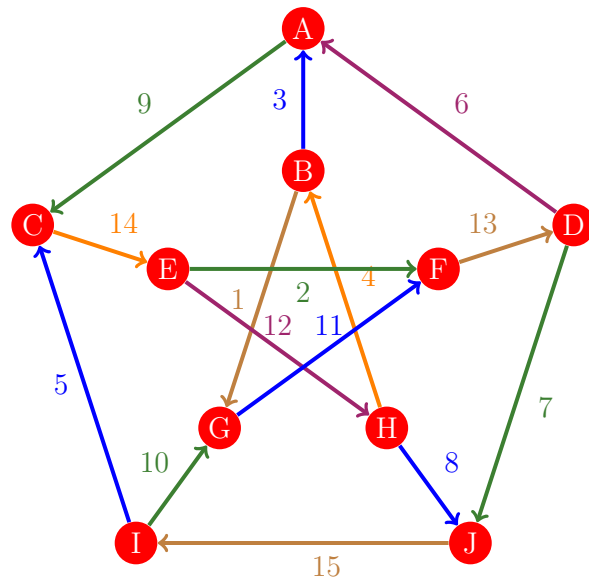


Figura 186: Flujo 178 de la gráfica de Petersen

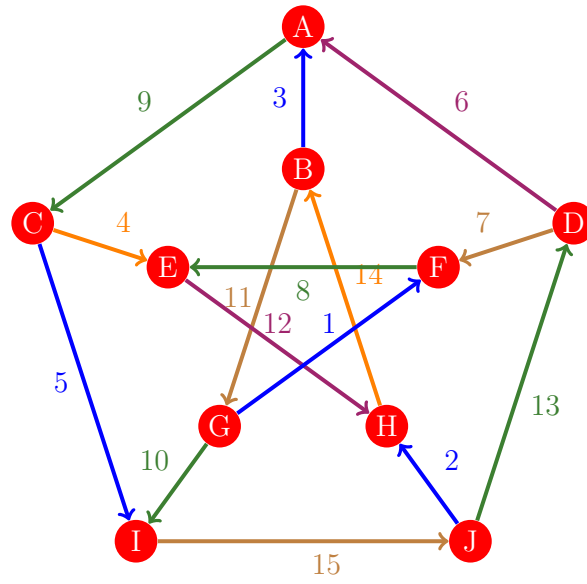


Figura 187: Flujo 179 de la gráfica de Petersen

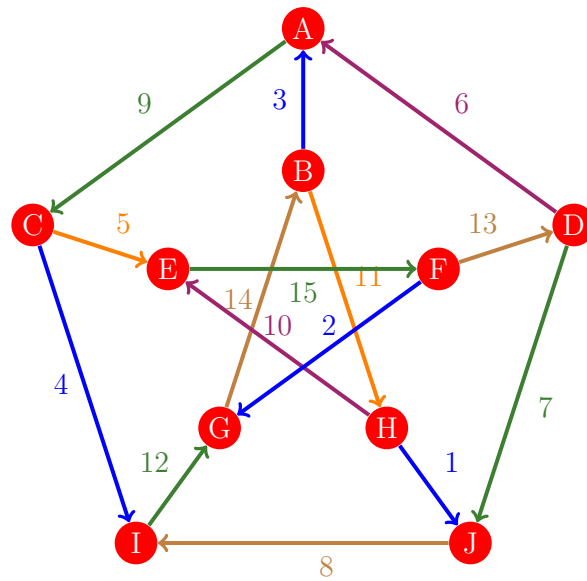


Figura 188: Flujo 180 de la gráfica de Petersen

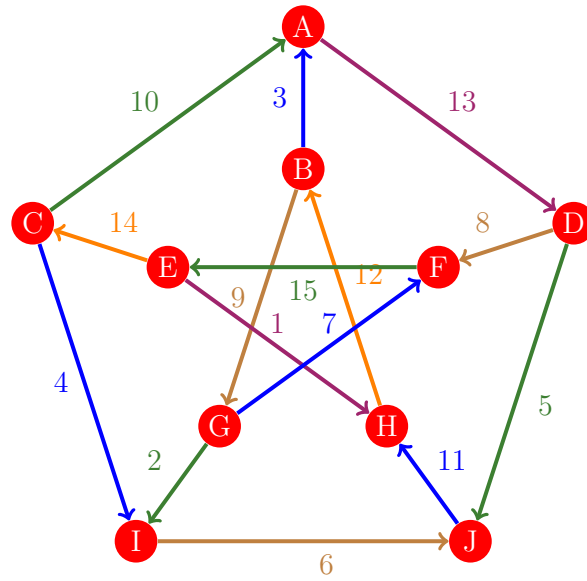


Figura 189: Flujo 181 de la gráfica de Petersen

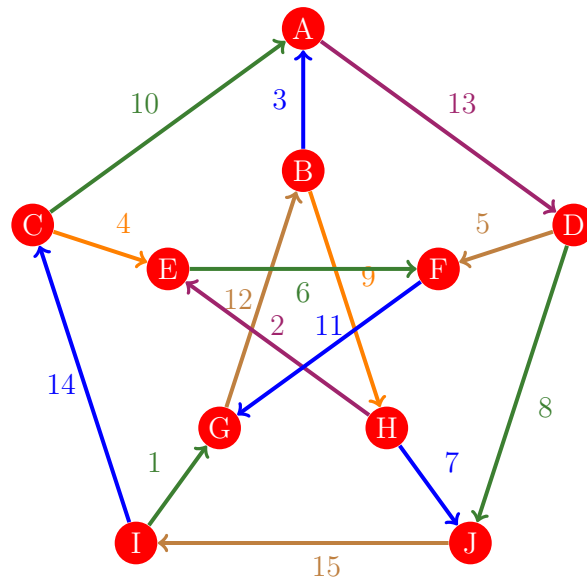


Figura 190: Flujo 182 de la gráfica de Petersen

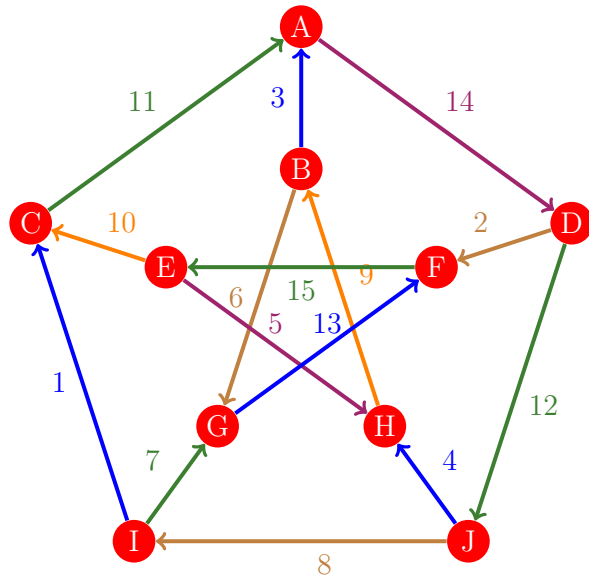


Figura 191: Flujo 183 de la gráfica de Petersen

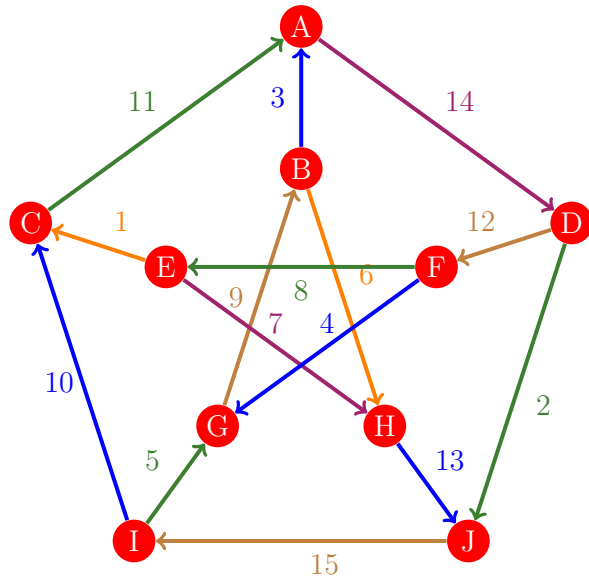


Figura 192: Flujo 184 de la gráfica de Petersen

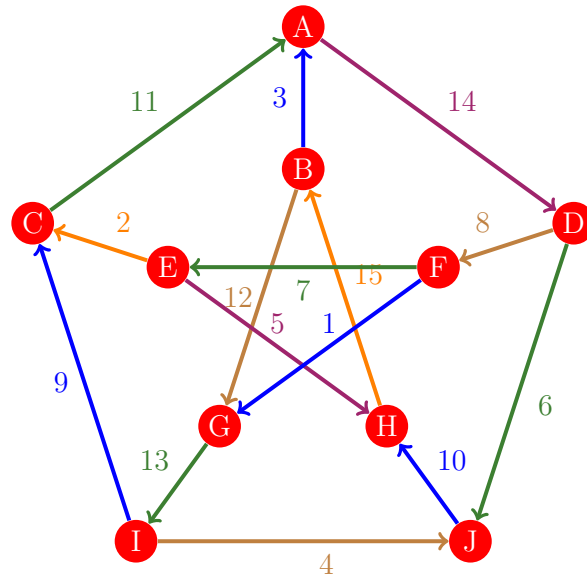


Figura 193: Flujo 185 de la gráfica de Petersen

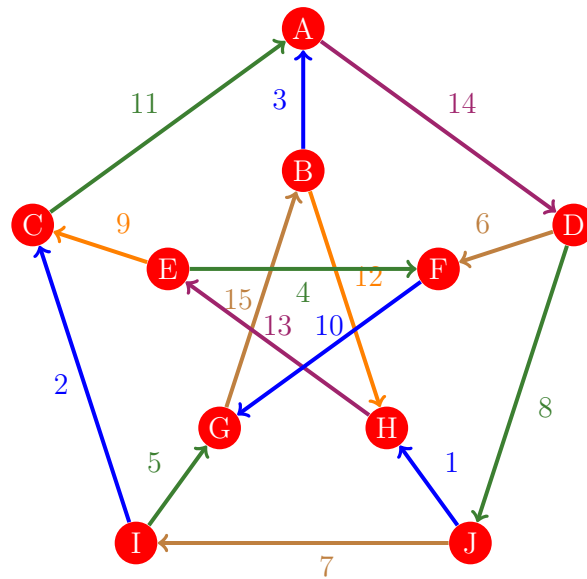


Figura 194: Flujo 186 de la gráfica de Petersen

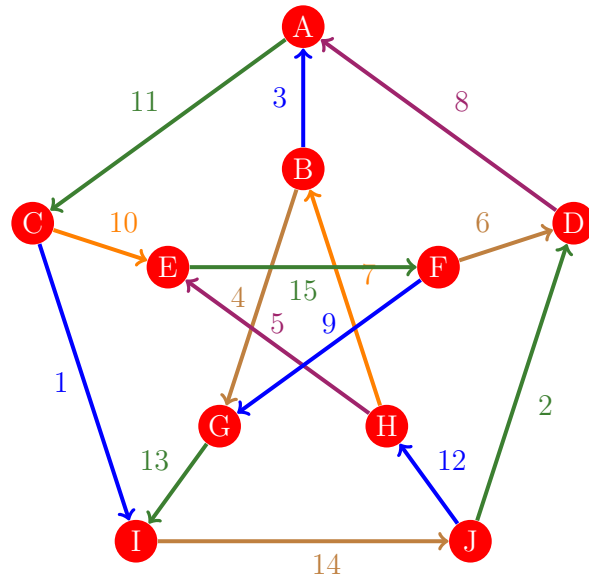


Figura 195: Flujo 187 de la gráfica de Petersen

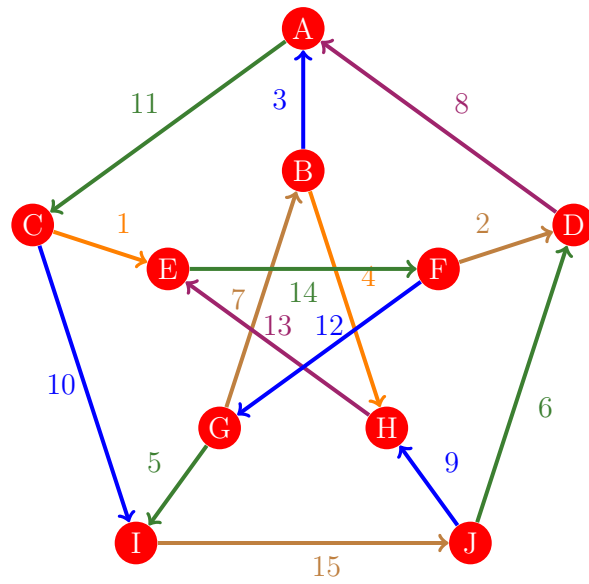


Figura 196: Flujo 188 de la gráfica de Petersen

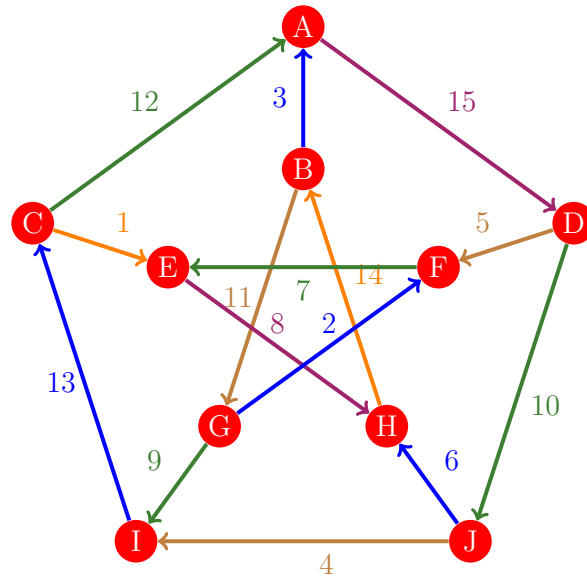


Figura 197: Flujo 189 de la gráfica de Petersen

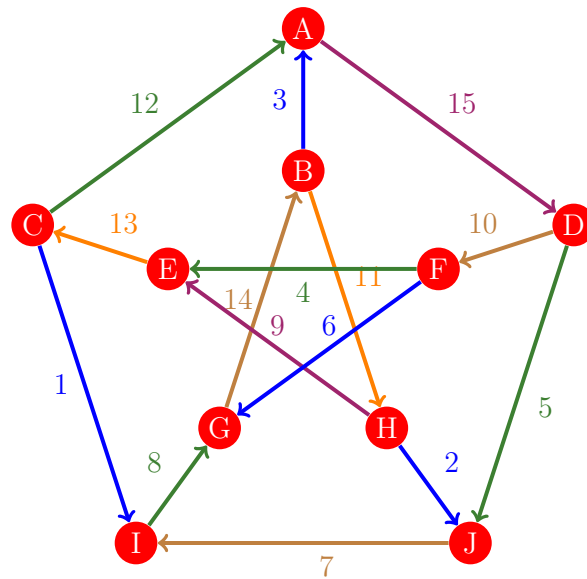


Figura 198: Flujo 190 de la gráfica de Petersen

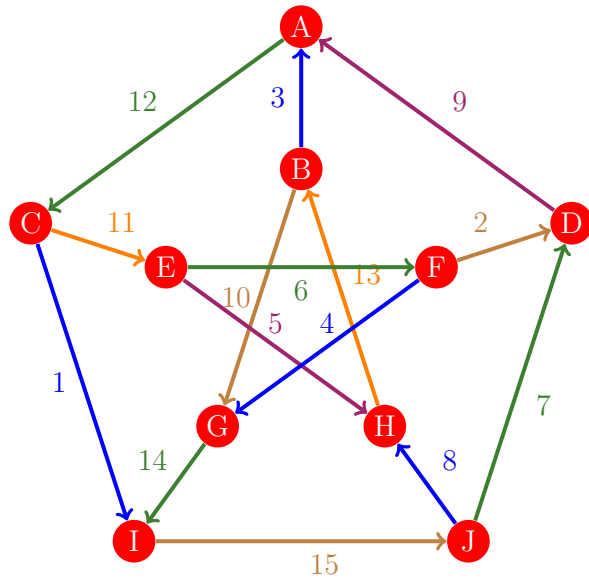


Figura 199: Flujo 191 de la gráfica de Petersen

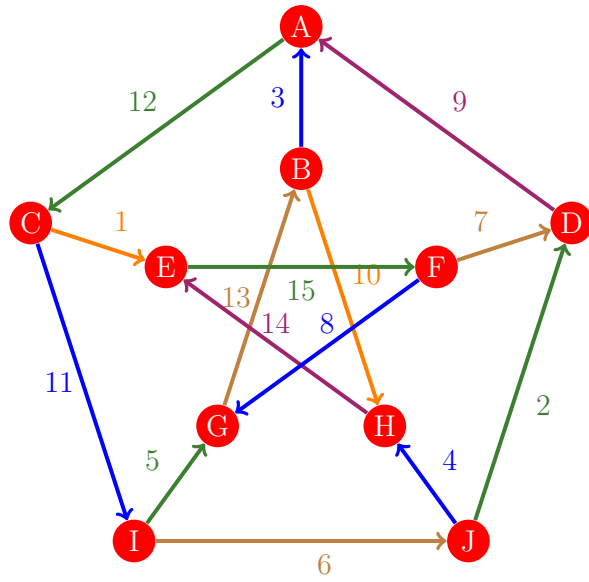


Figura 200: Flujo 192 de la gráfica de Petersen

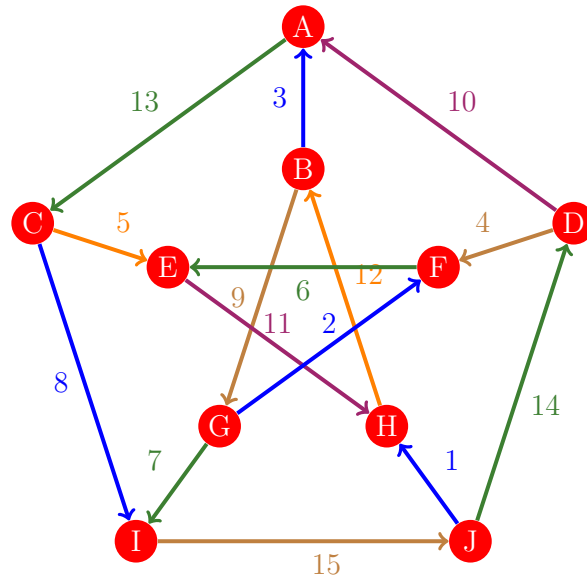


Figura 201: Flujo 193 de la gráfica de Petersen

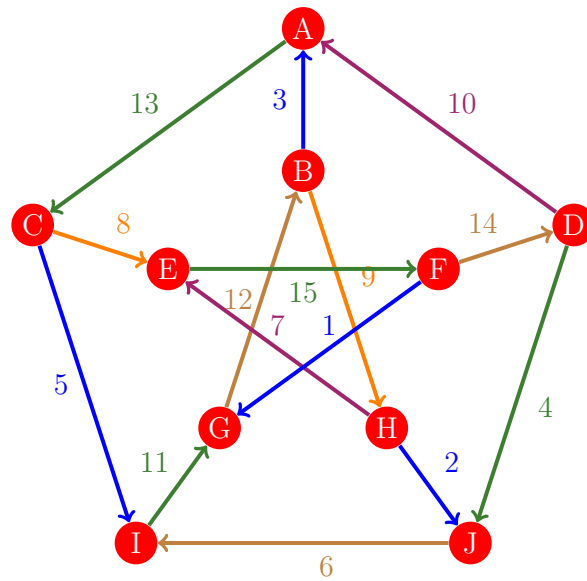


Figura 202: Flujo 194 de la gráfica de Petersen

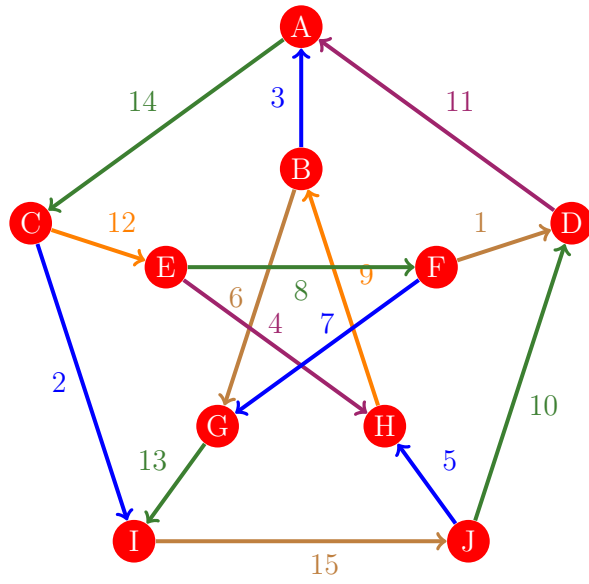


Figura 203: Flujo 195 de la gráfica de Petersen

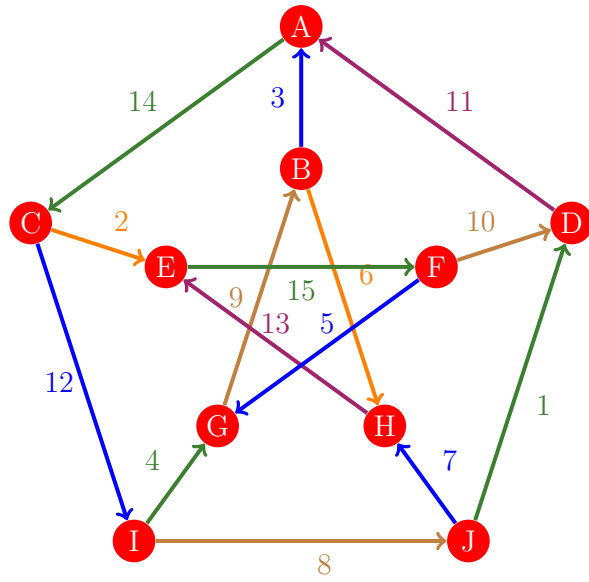


Figura 204: Flujo 196 de la gráfica de Petersen

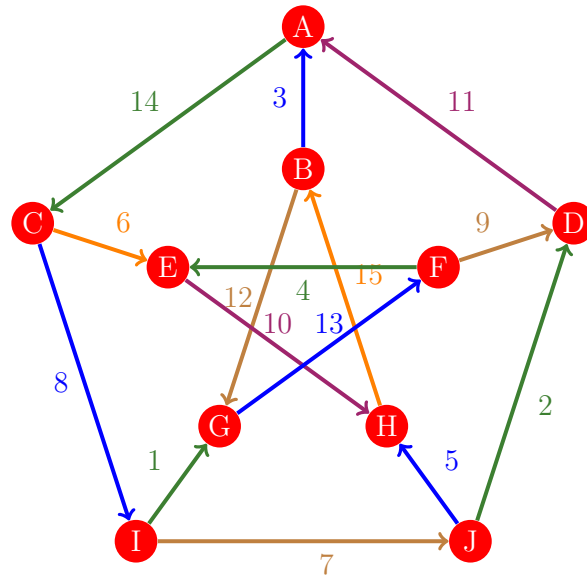


Figura 205: Flujo 197 de la gráfica de Petersen

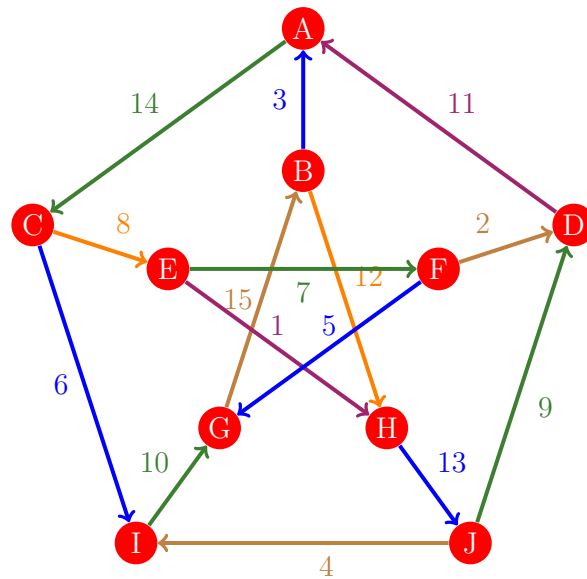


Figura 206: Flujo 198 de la gráfica de Petersen

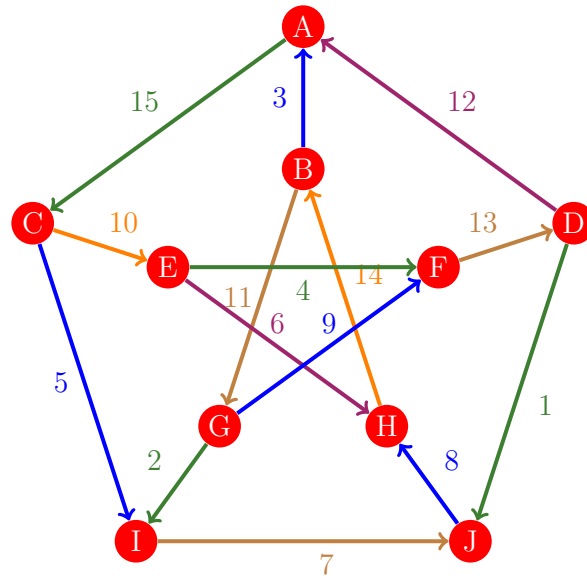


Figura 207: Flujo 199 de la gráfica de Petersen

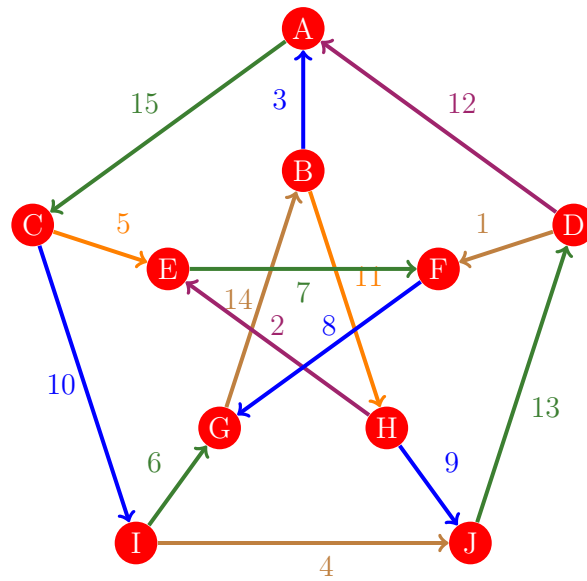


Figura 208: Flujo 200 de la gráfica de Petersen

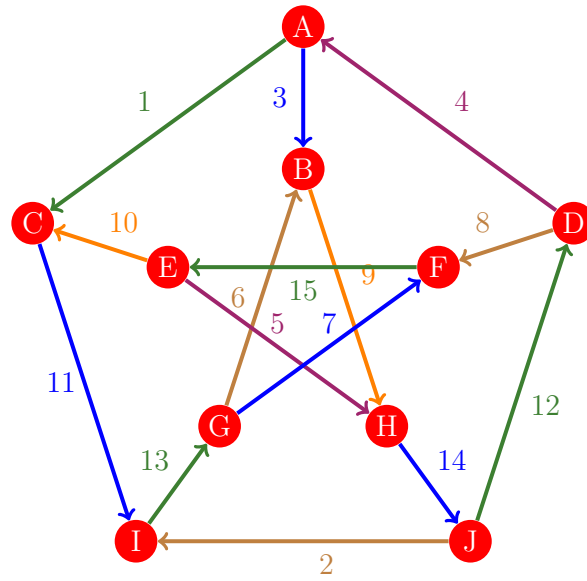


Figura 209: Flujo 201 de la gráfica de Petersen

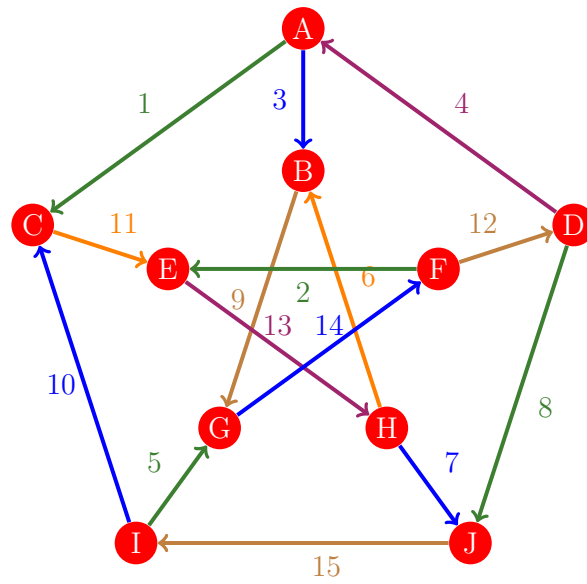


Figura 210: Flujo 202 de la gráfica de Petersen

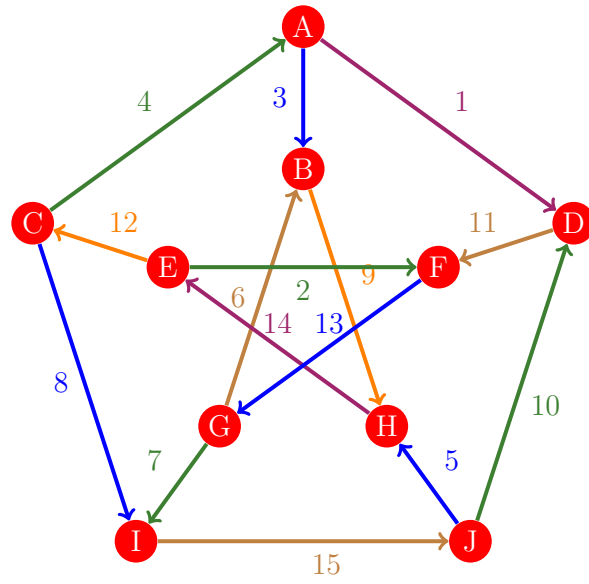


Figura 211: Flujo 203 de la gráfica de Petersen

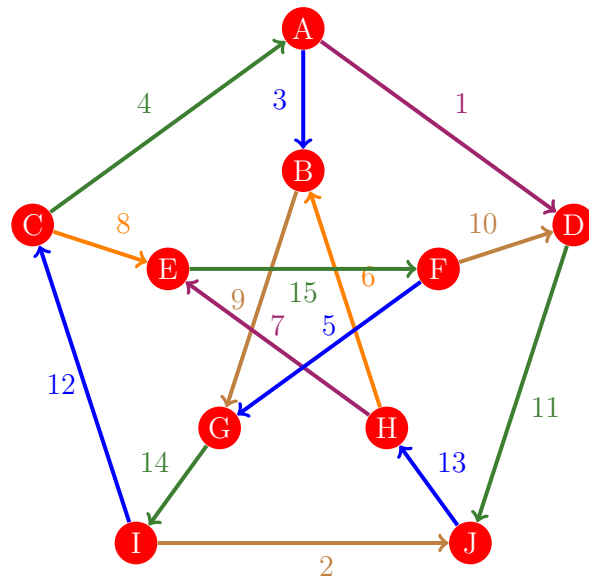


Figura 212: Flujo 204 de la gráfica de Petersen

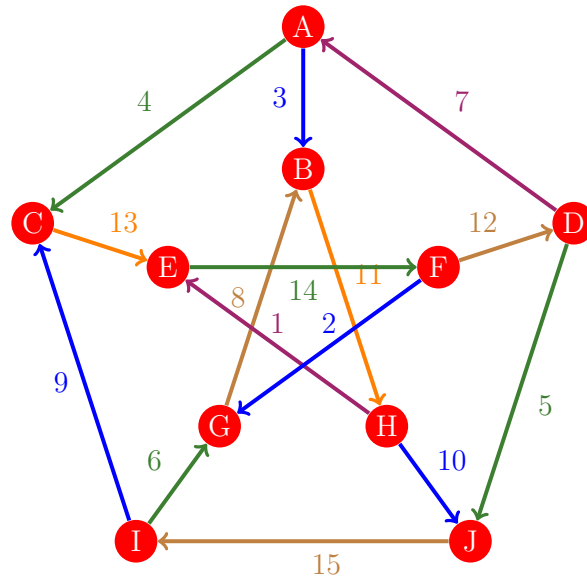


Figura 213: Flujo 205 de la gráfica de Petersen

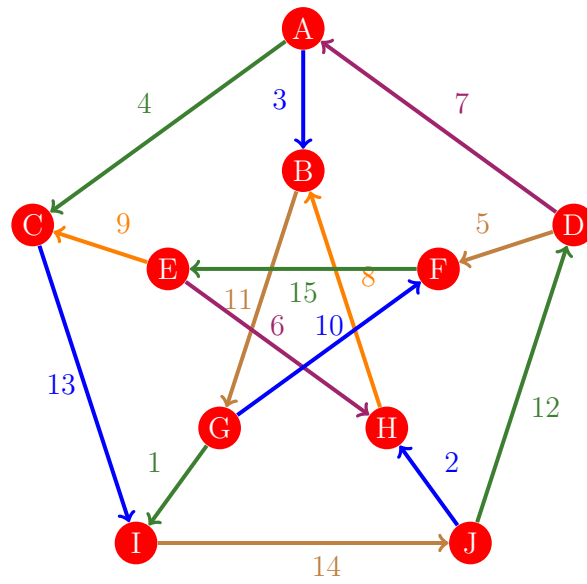


Figura 214: Flujo 206 de la gráfica de Petersen

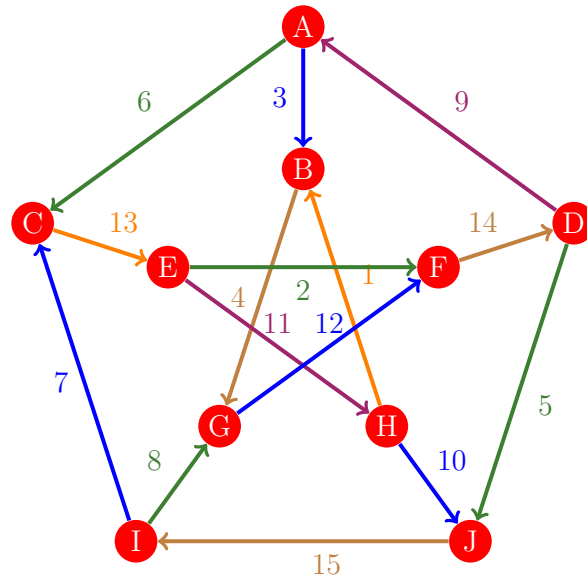


Figura 215: Flujo 207 de la gráfica de Petersen

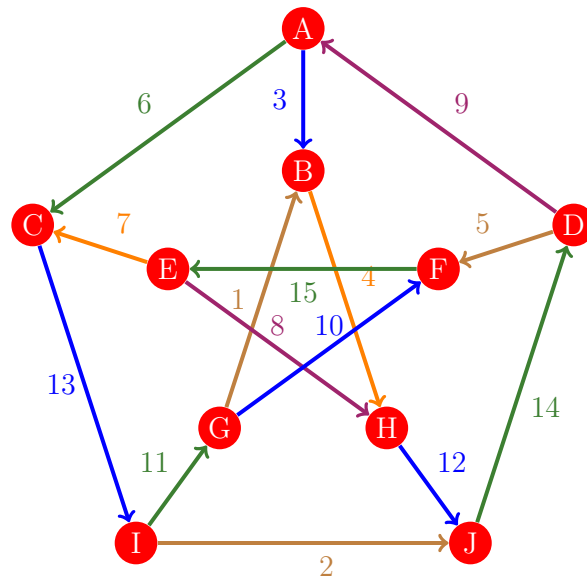


Figura 216: Flujo 208 de la gráfica de Petersen

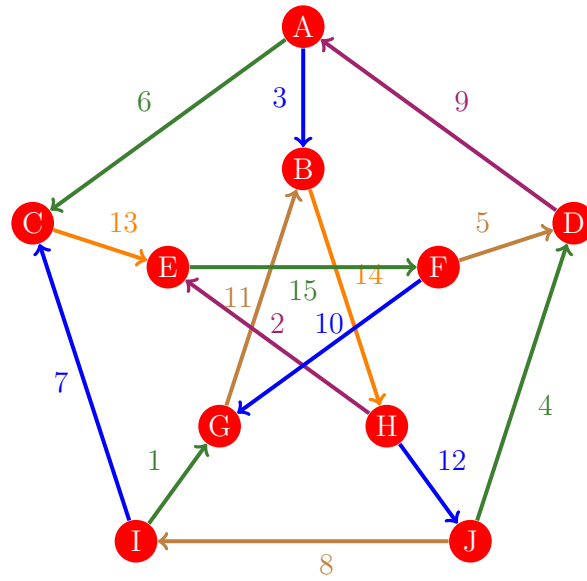


Figura 217: Flujo 209 de la gráfica de Petersen

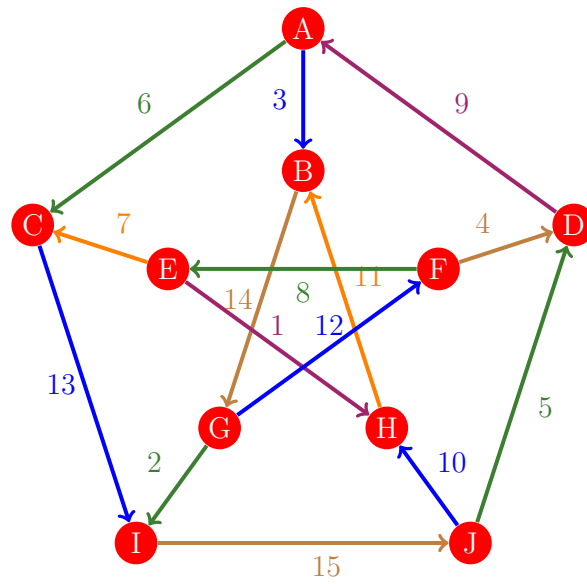


Figura 218: Flujo 210 de la gráfica de Petersen

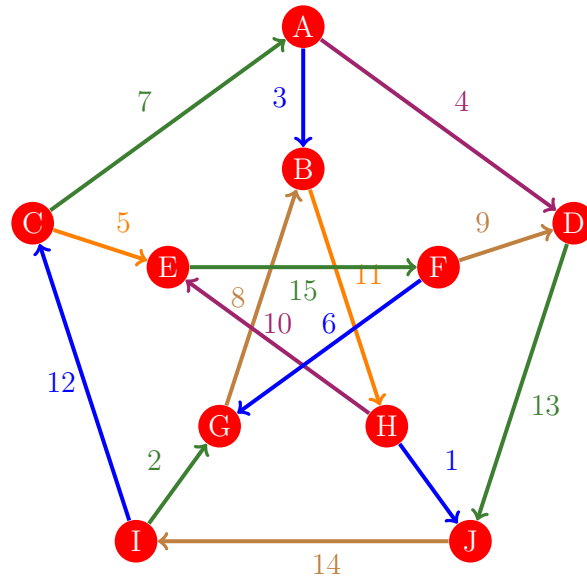


Figura 219: Flujo 211 de la gráfica de Petersen

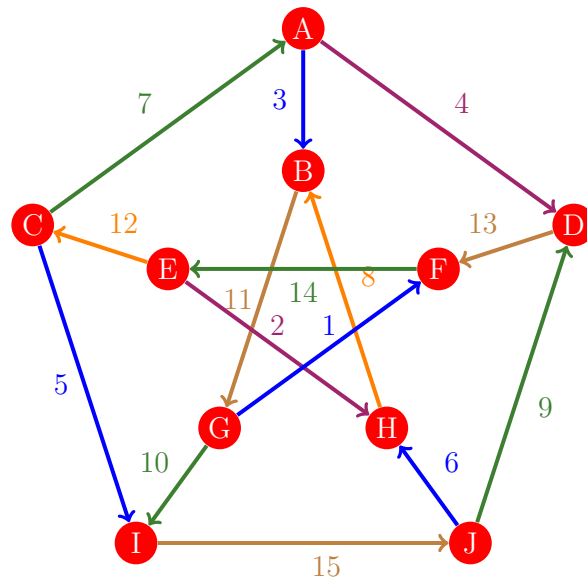


Figura 220: Flujo 212 de la gráfica de Petersen

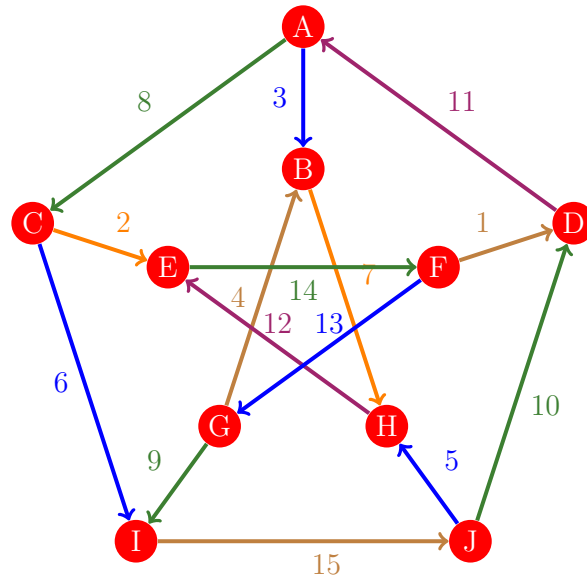


Figura 221: Flujo 213 de la gráfica de Petersen

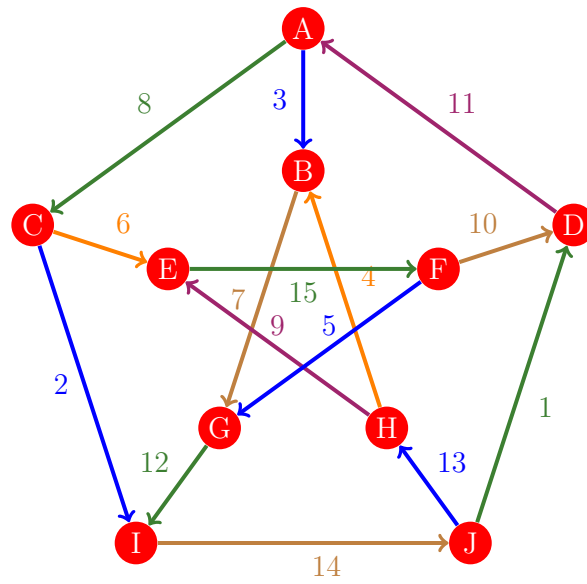


Figura 222: Flujo 214 de la gráfica de Petersen

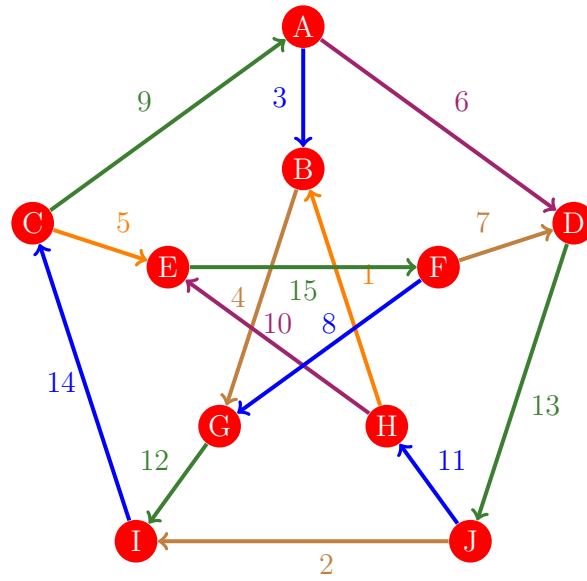


Figura 223: Flujo 215 de la gráfica de Petersen

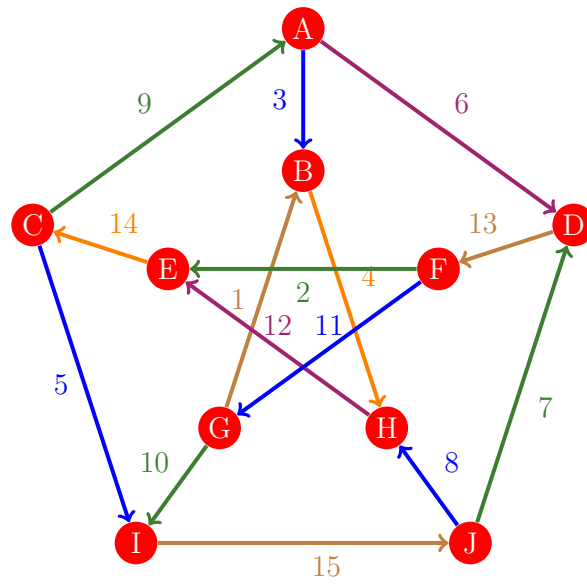


Figura 224: Flujo 216 de la gráfica de Petersen

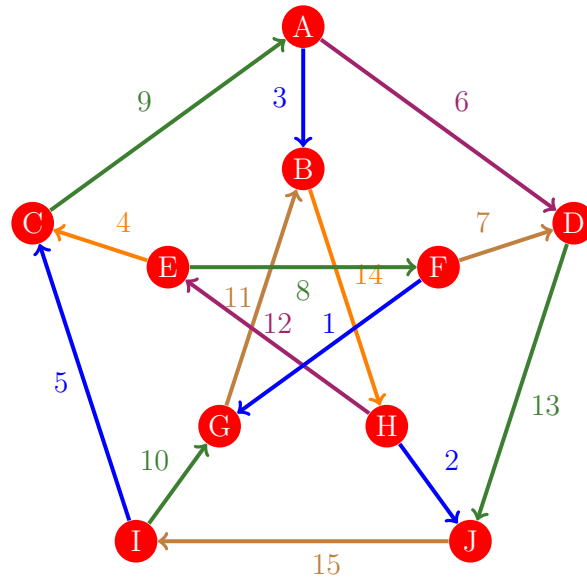


Figura 225: Flujo 217 de la gráfica de Petersen

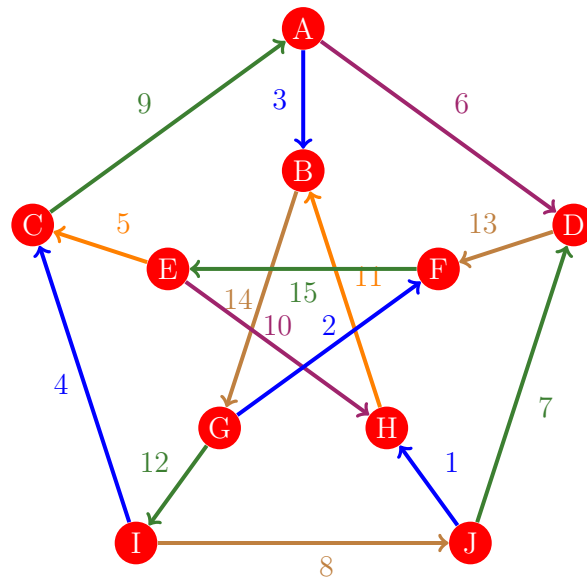


Figura 226: Flujo 218 de la gráfica de Petersen

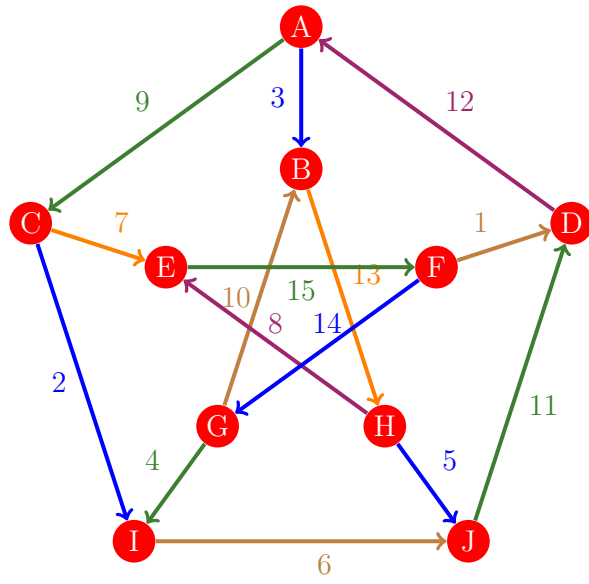


Figura 227: Flujo 219 de la gráfica de Petersen

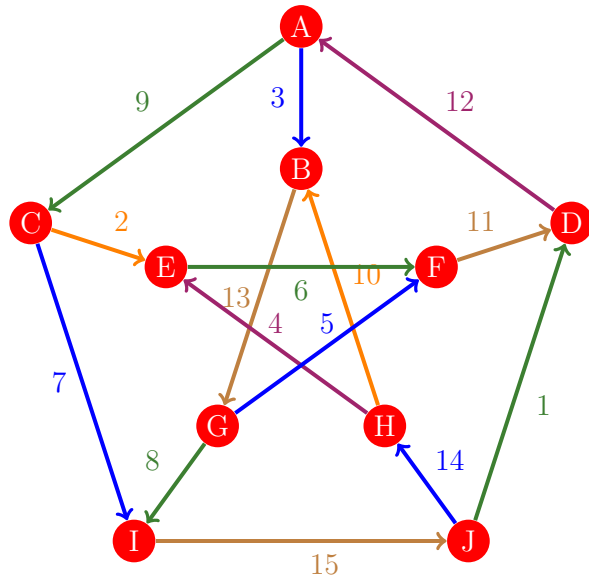


Figura 228: Flujo 220 de la gráfica de Petersen

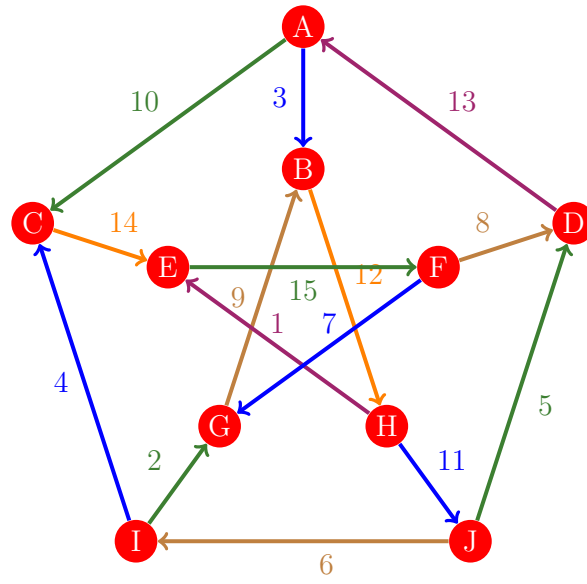


Figura 229: Flujo 221 de la gráfica de Petersen

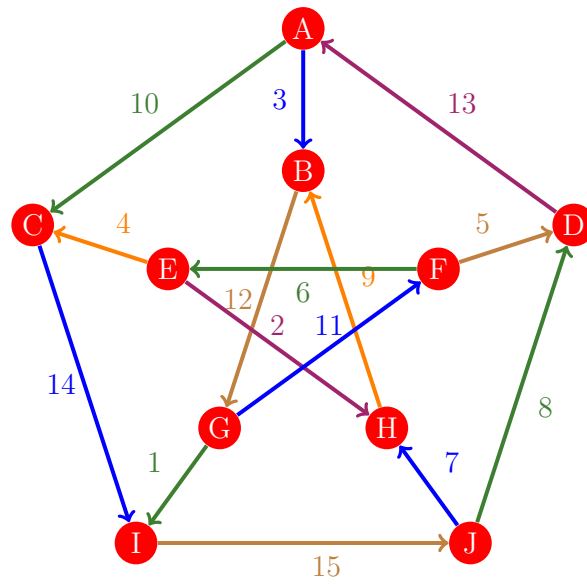


Figura 230: Flujo 222 de la gráfica de Petersen

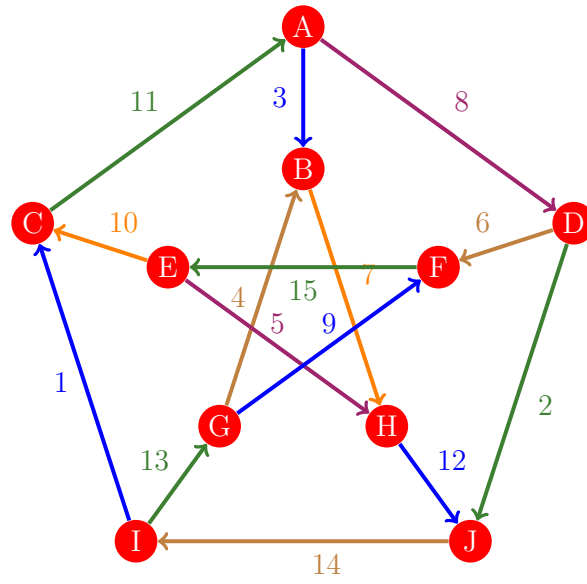


Figura 231: Flujo 223 de la gráfica de Petersen

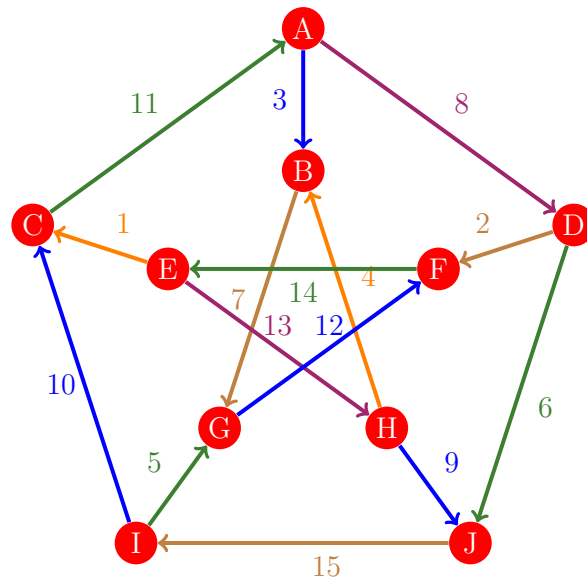


Figura 232: Flujo 224 de la gráfica de Petersen

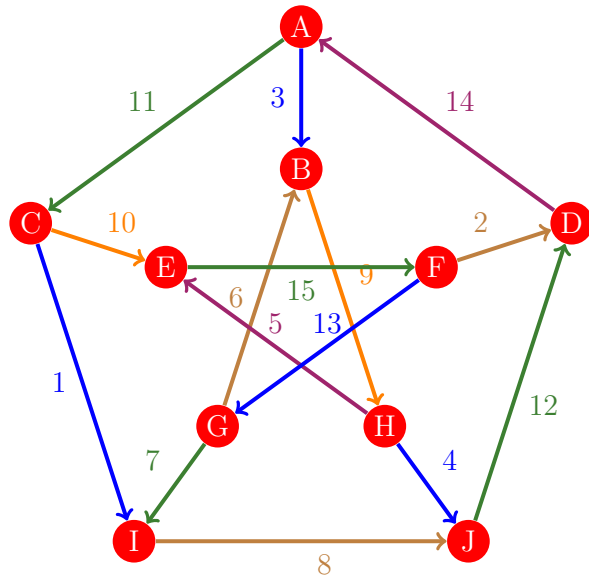


Figura 233: Flujo 225 de la gráfica de Petersen

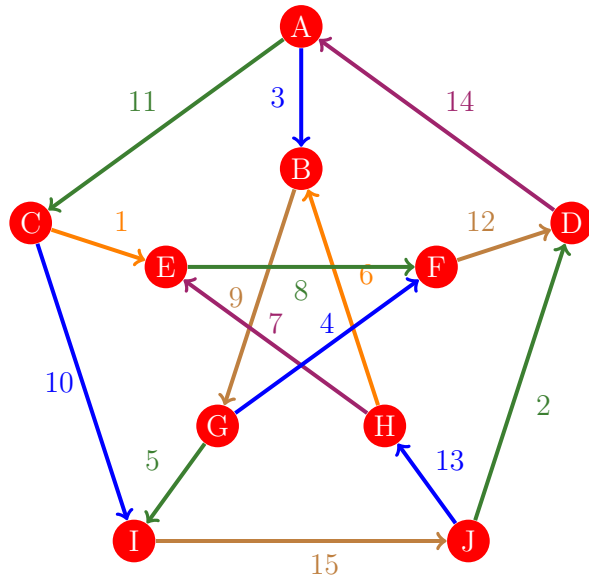


Figura 234: Flujo 226 de la gráfica de Petersen

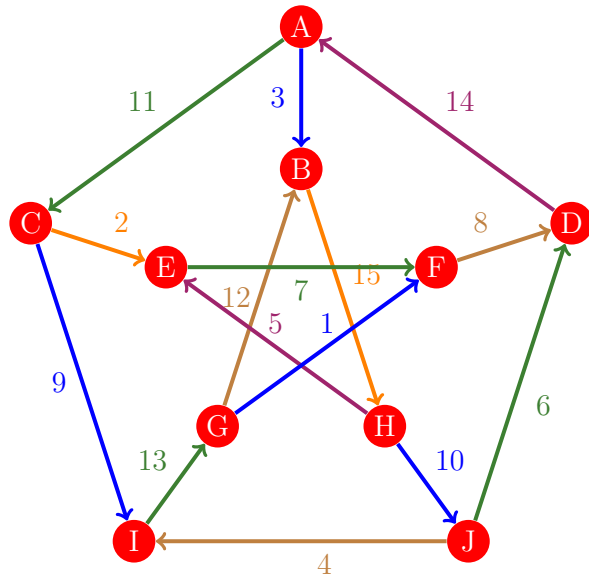


Figura 235: Flujo 227 de la gráfica de Petersen

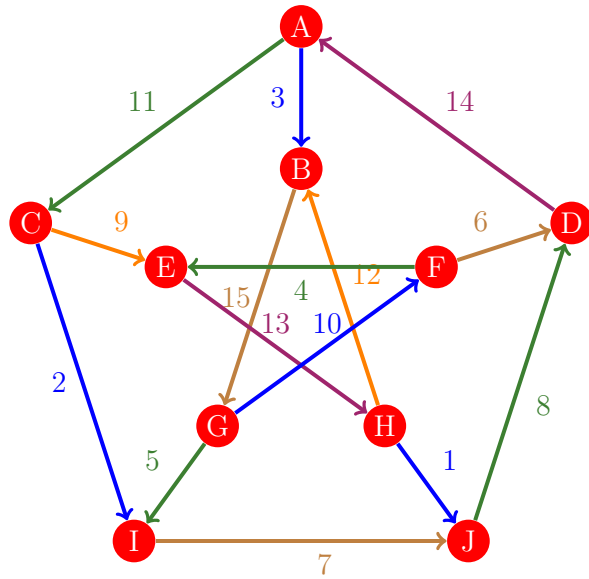


Figura 236: Flujo 228 de la gráfica de Petersen

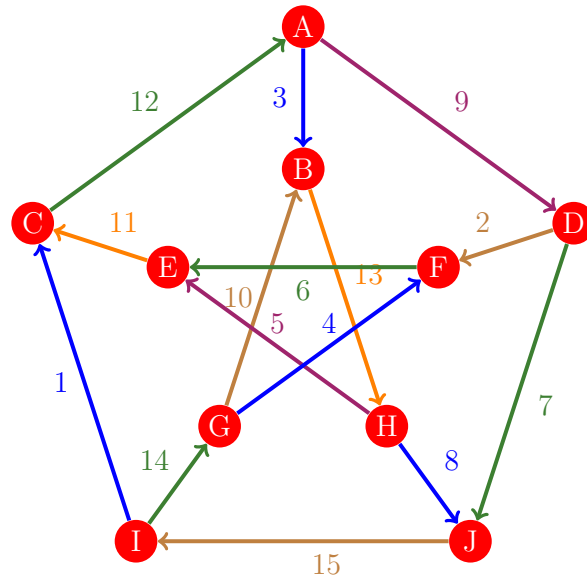


Figura 237: Flujo 229 de la gráfica de Petersen

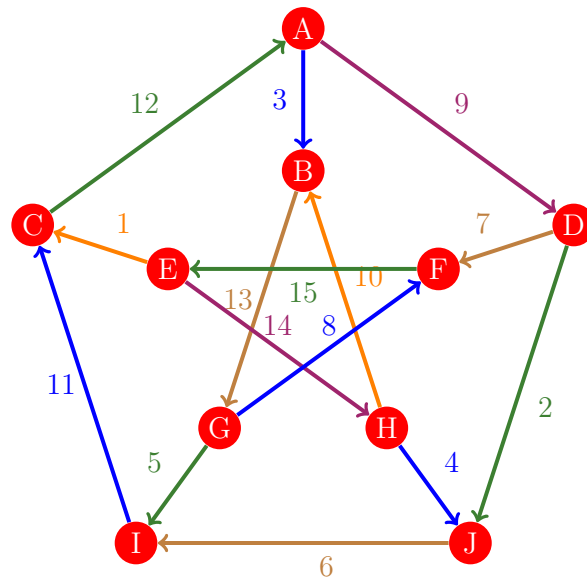


Figura 238: Flujo 230 de la gráfica de Petersen

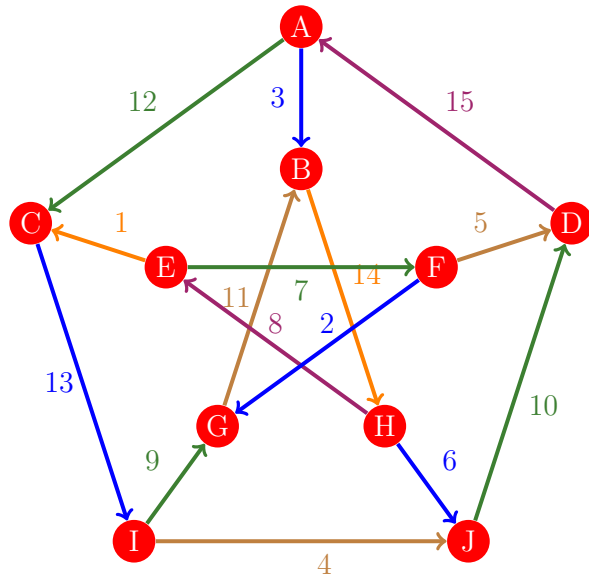


Figura 239: Flujo 231 de la gráfica de Petersen

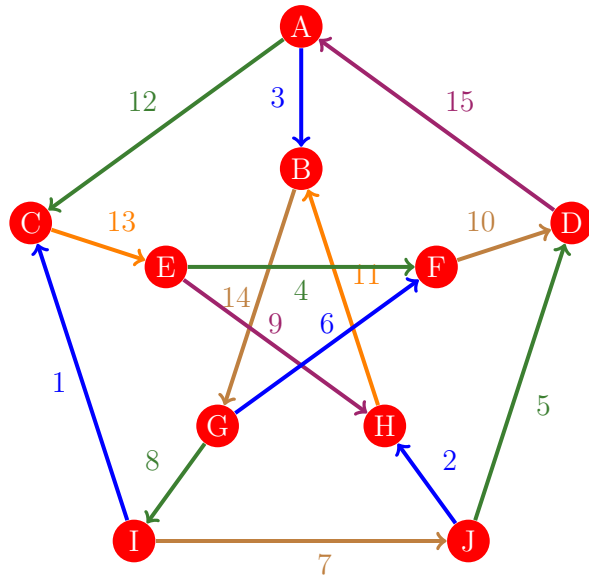


Figura 240: Flujo 232 de la gráfica de Petersen

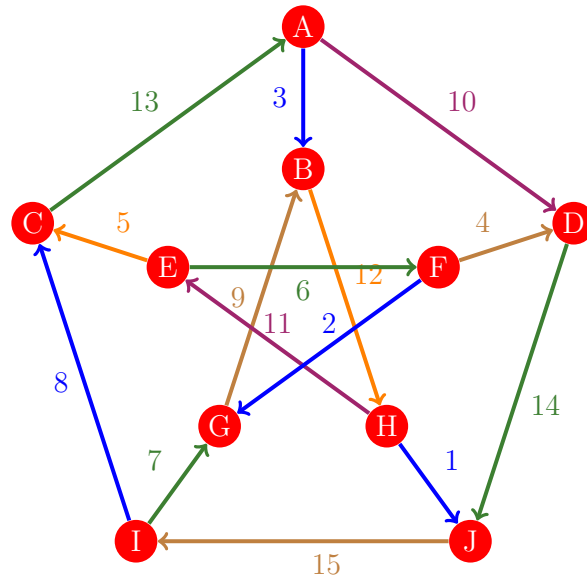


Figura 241: Flujo 233 de la gráfica de Petersen

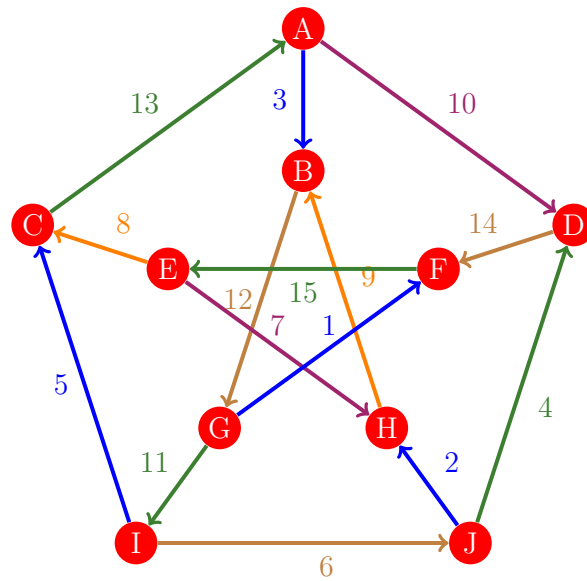


Figura 242: Flujo 234 de la gráfica de Petersen

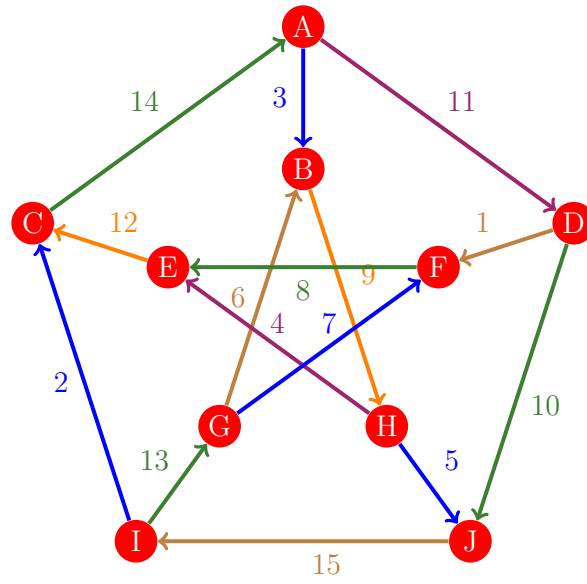


Figura 243: Flujo 235 de la gráfica de Petersen

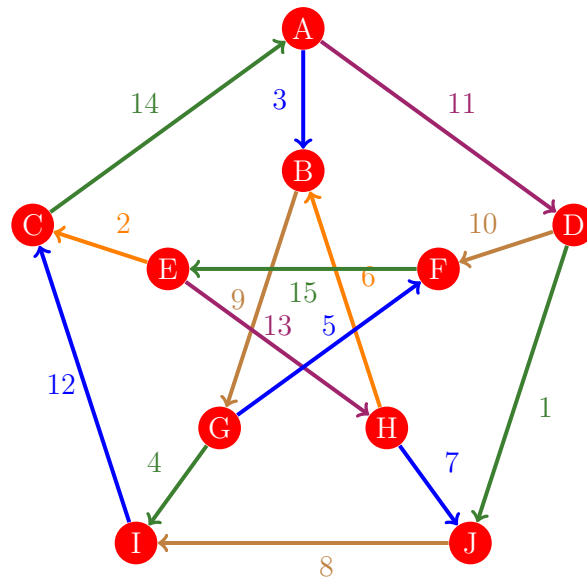


Figura 244: Flujo 236 de la gráfica de Petersen

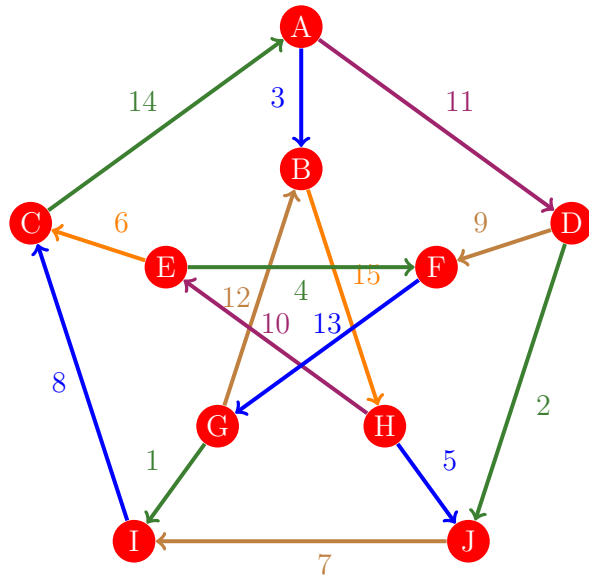


Figura 245: Flujo 237 de la gráfica de Petersen

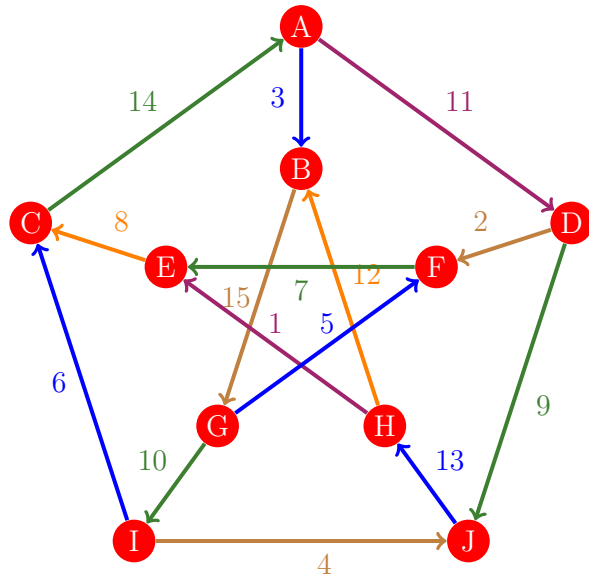


Figura 246: Flujo 238 de la gráfica de Petersen

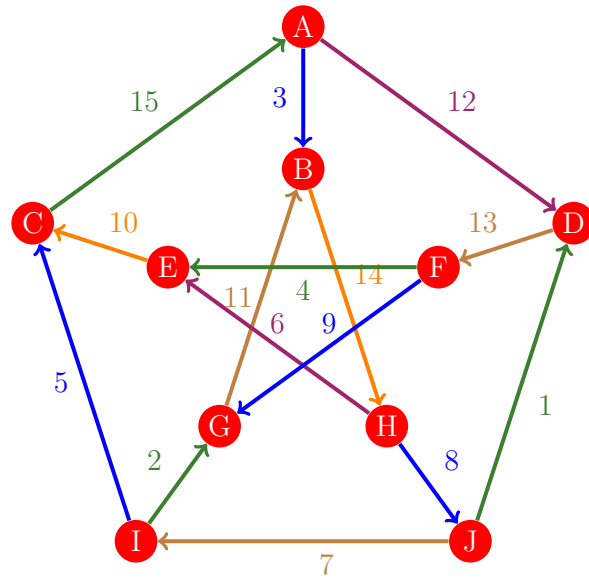


Figura 247: Flujo 239 de la gráfica de Petersen

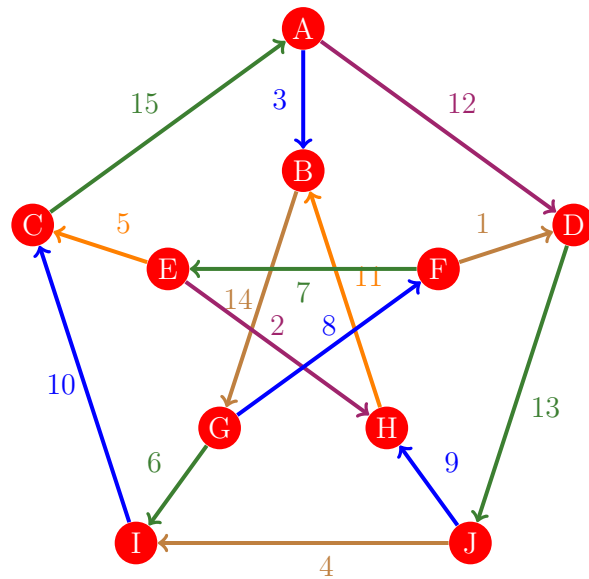


Figura 248: Flujo 240 de la gráfica de Petersen

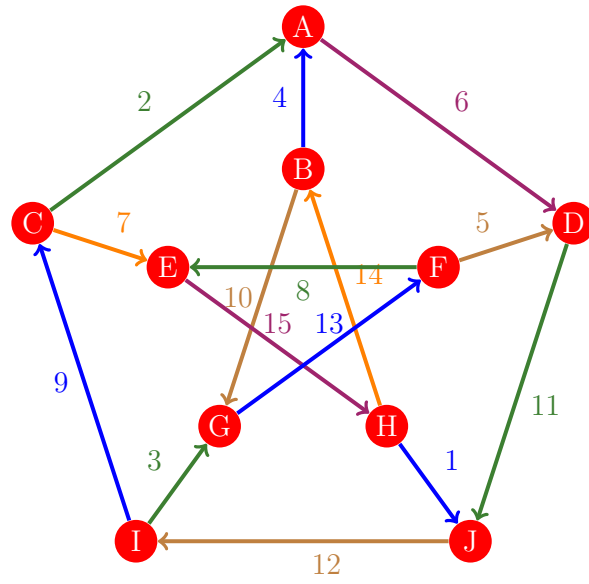


Figura 249: Flujo 241 de la gráfica de Petersen

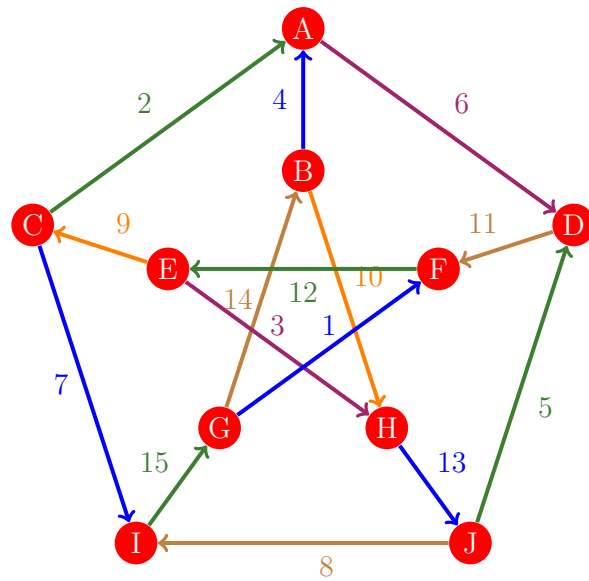


Figura 250: Flujo 242 de la gráfica de Petersen

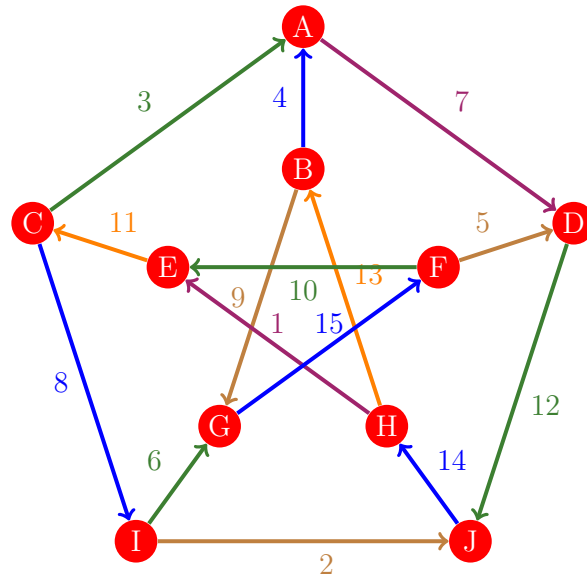


Figura 251: Flujo 243 de la gráfica de Petersen

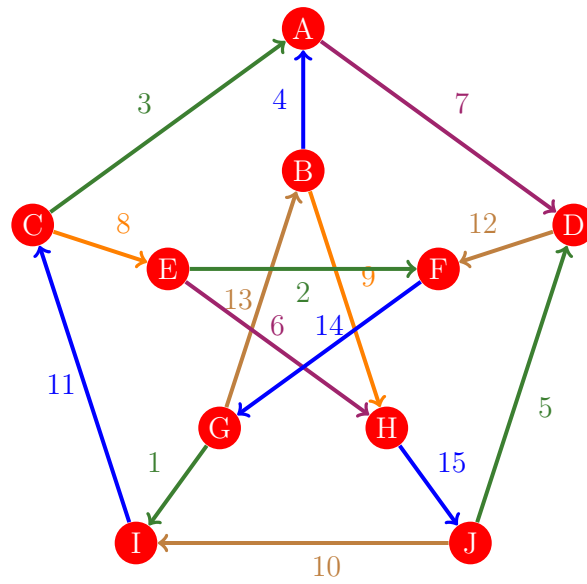


Figura 252: Flujo 244 de la gráfica de Petersen

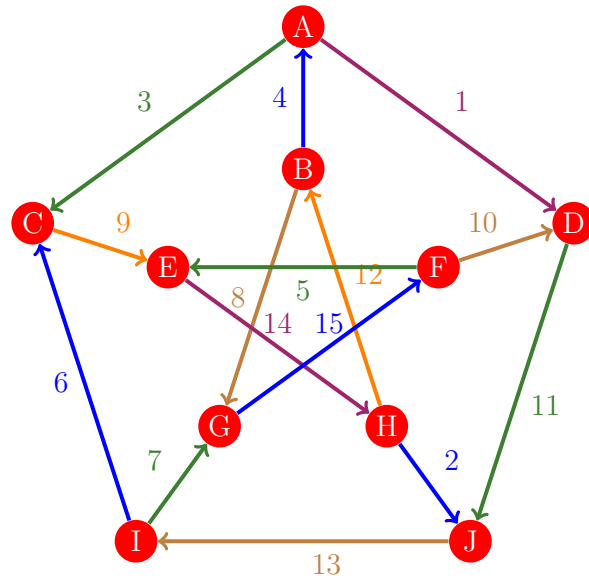


Figura 253: Flujo 245 de la gráfica de Petersen

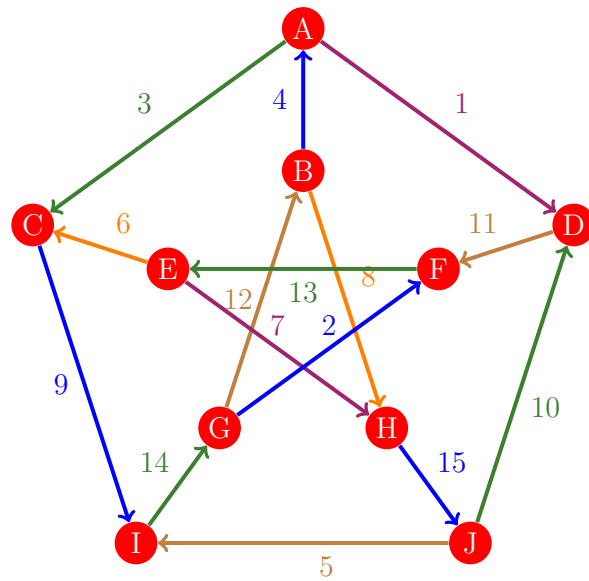


Figura 254: Flujo 246 de la gráfica de Petersen

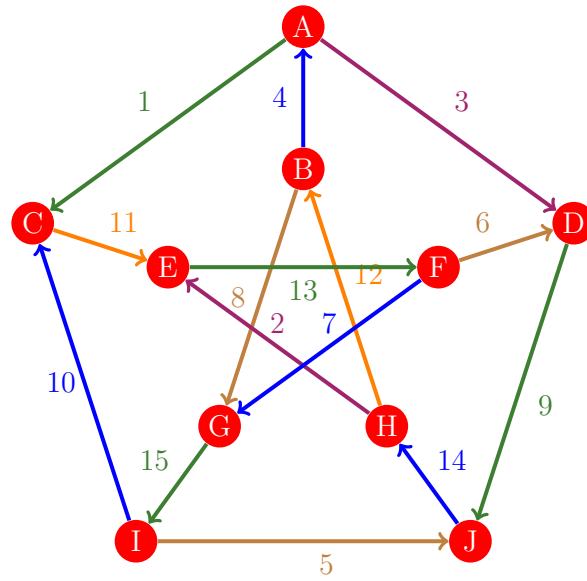


Figura 255: Flujo 247 de la gráfica de Petersen

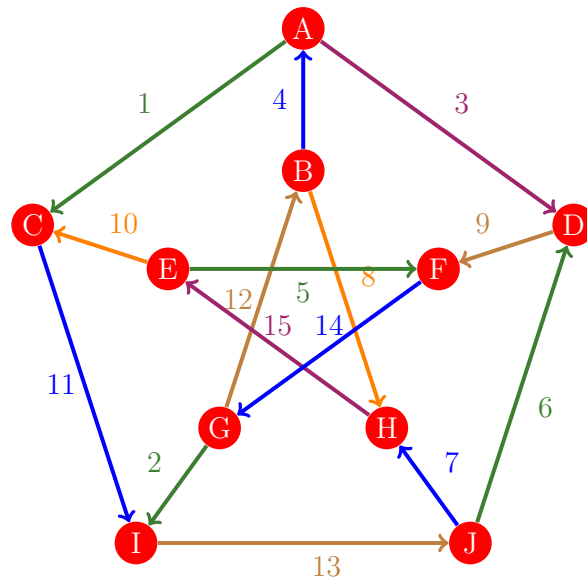


Figura 256: Flujo 248 de la gráfica de Petersen

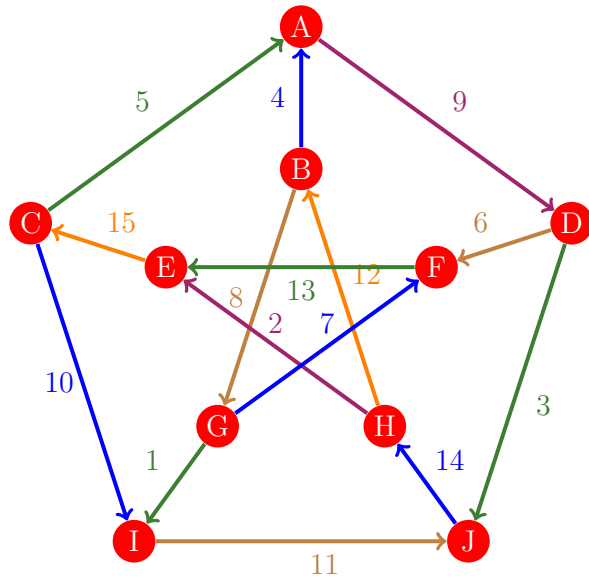


Figura 257: Flujo 249 de la gráfica de Petersen

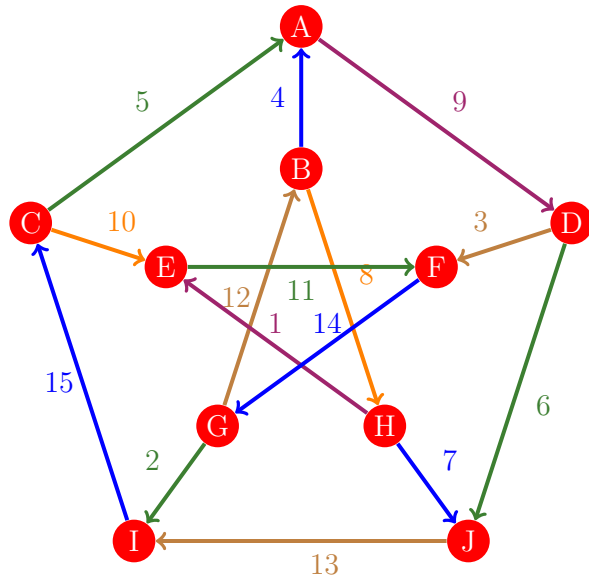


Figura 258: Flujo 250 de la gráfica de Petersen

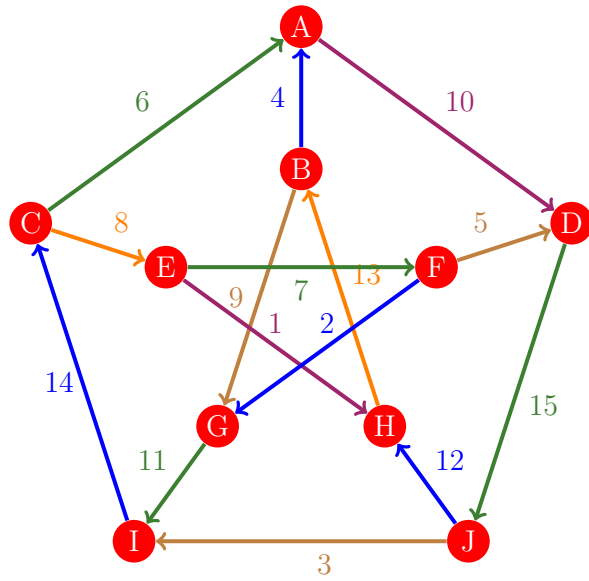


Figura 259: Flujo 251 de la gráfica de Petersen

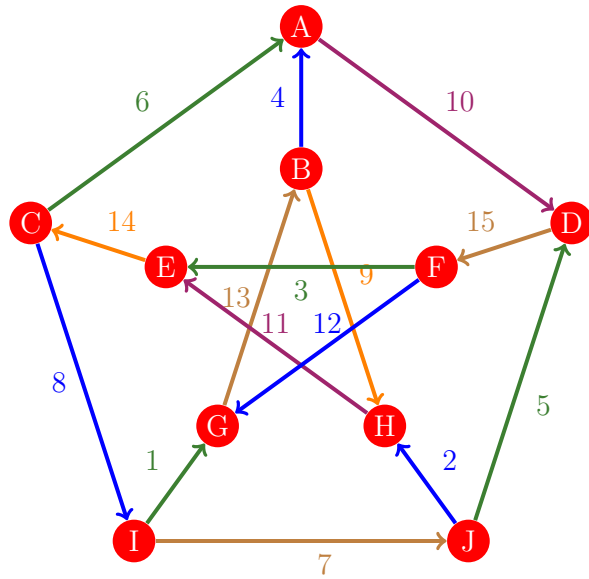


Figura 260: Flujo 252 de la gráfica de Petersen

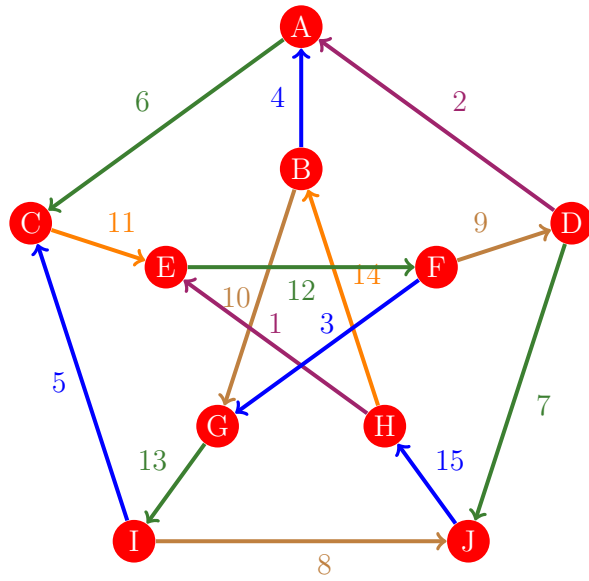


Figura 261: Flujo 253 de la gráfica de Petersen

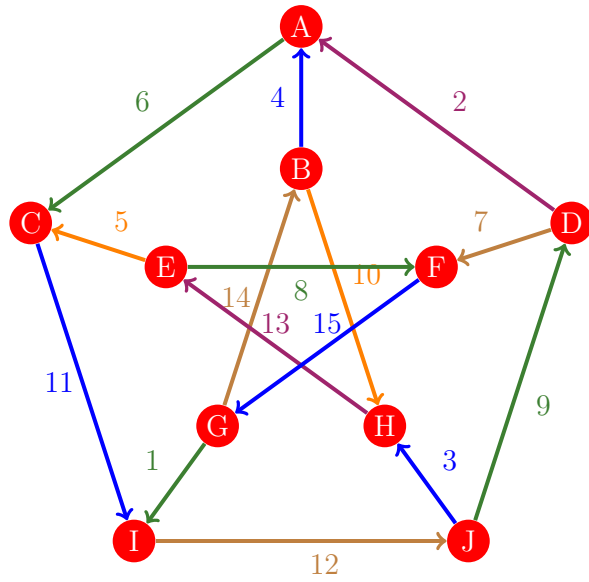


Figura 262: Flujo 254 de la gráfica de Petersen

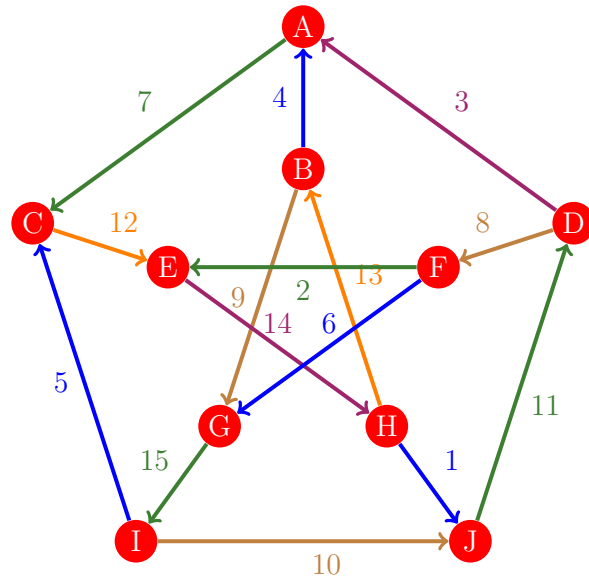


Figura 263: Flujo 255 de la gráfica de Petersen

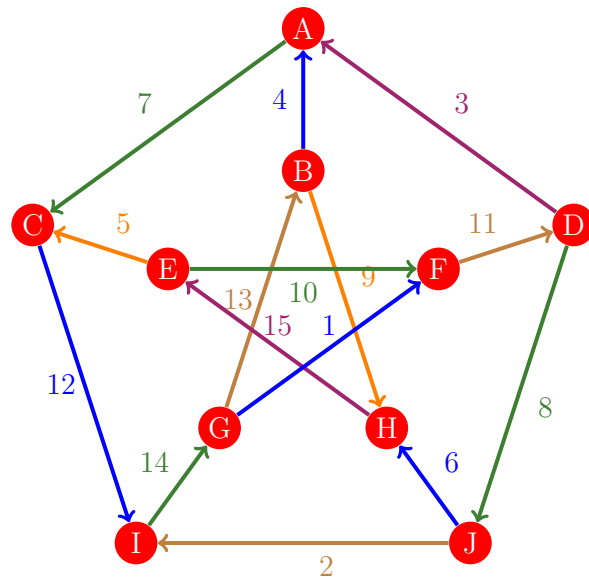


Figura 264: Flujo 256 de la gráfica de Petersen

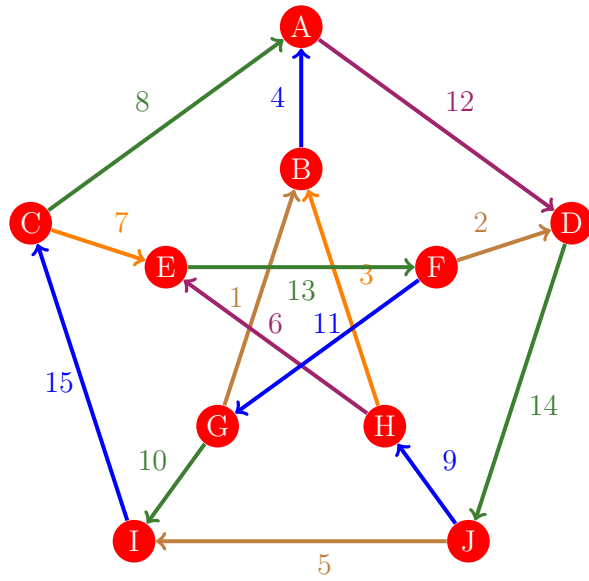


Figura 265: Flujo 257 de la gráfica de Petersen

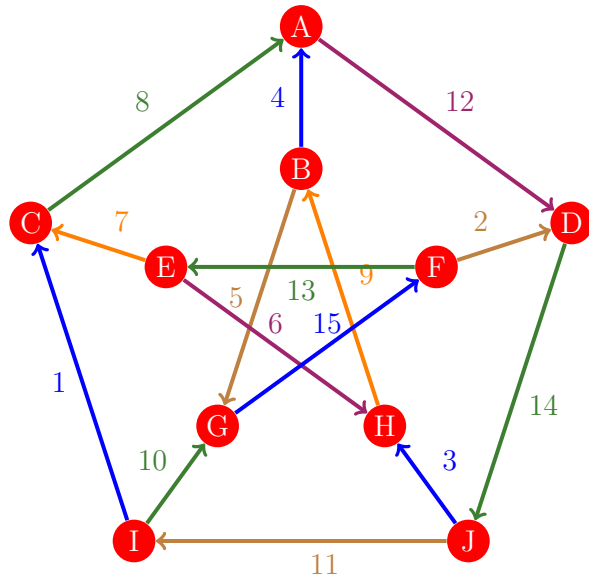


Figura 266: Flujo 258 de la gráfica de Petersen

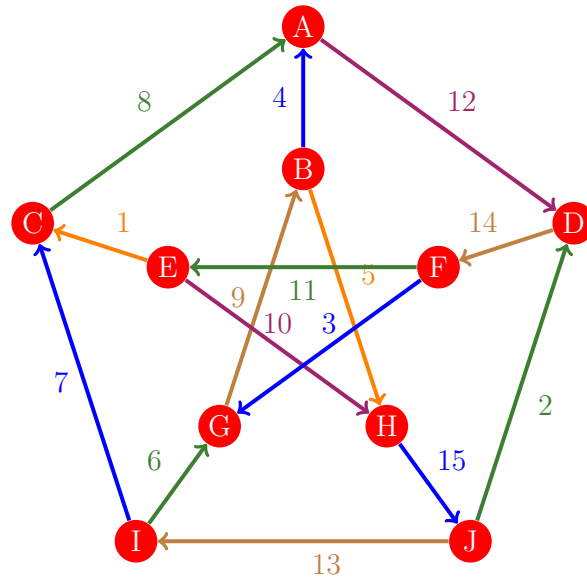


Figura 267: Flujo 259 de la gráfica de Petersen

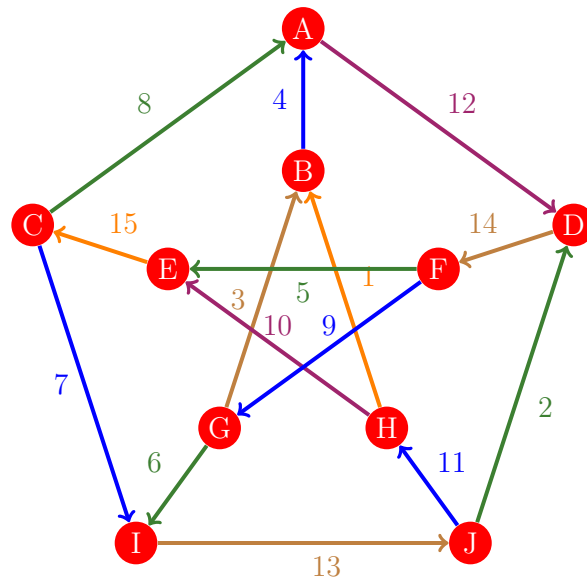


Figura 268: Flujo 260 de la gráfica de Petersen

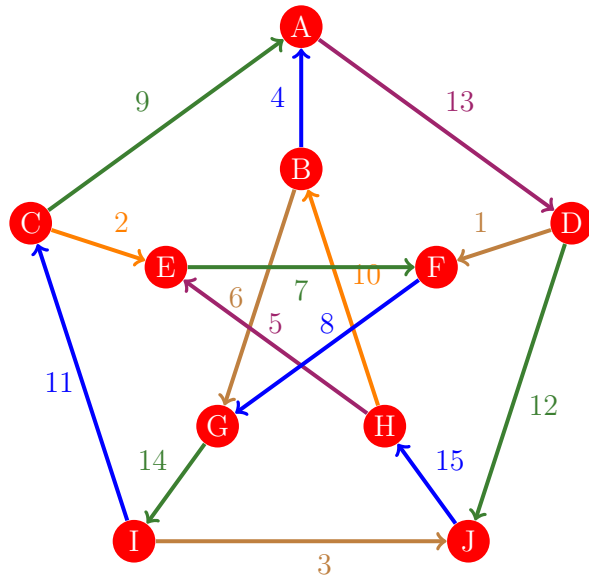


Figura 269: Flujo 261 de la gráfica de Petersen

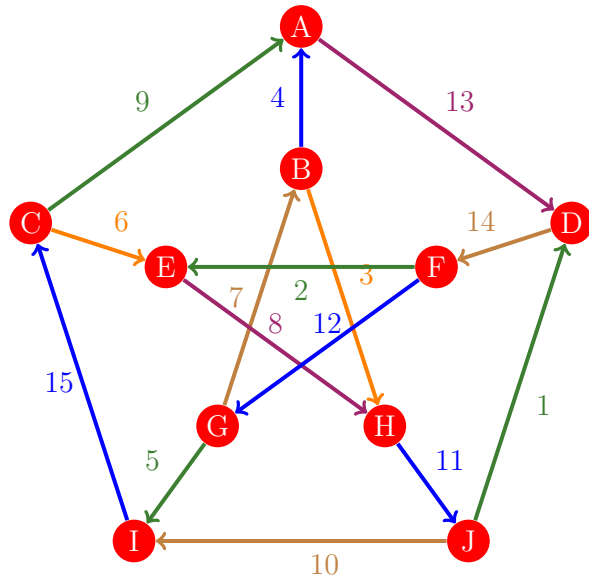


Figura 270: Flujo 262 de la gráfica de Petersen

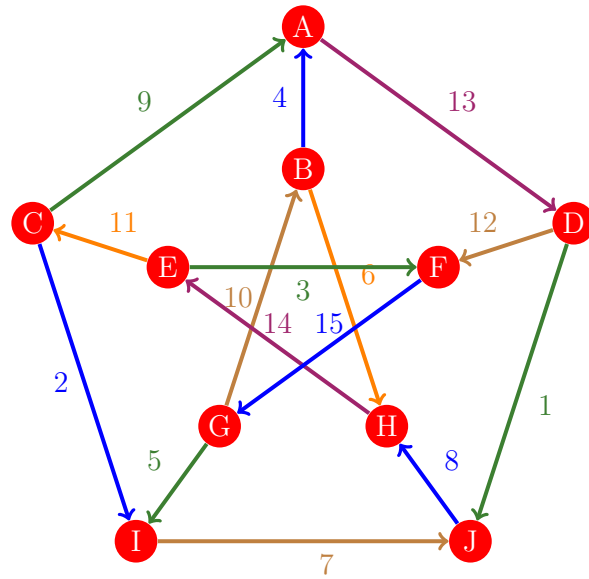


Figura 271: Flujo 263 de la gráfica de Petersen

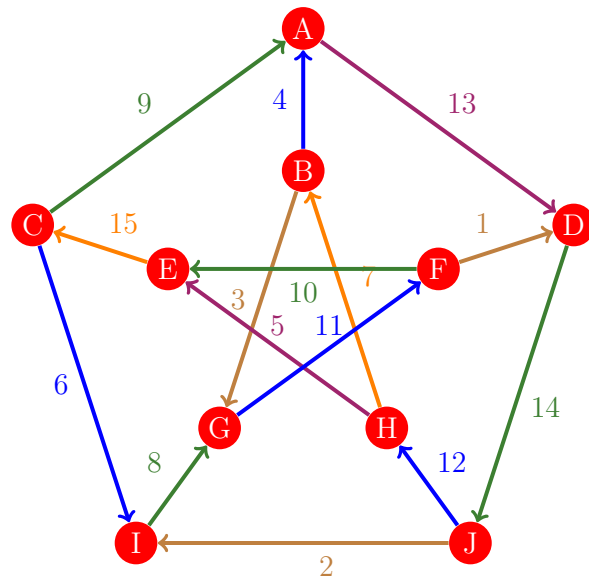


Figura 272: Flujo 264 de la gráfica de Petersen

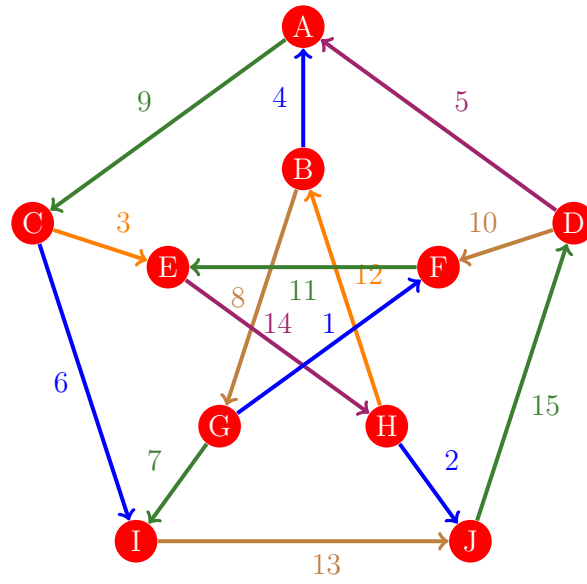


Figura 273: Flujo 265 de la gráfica de Petersen

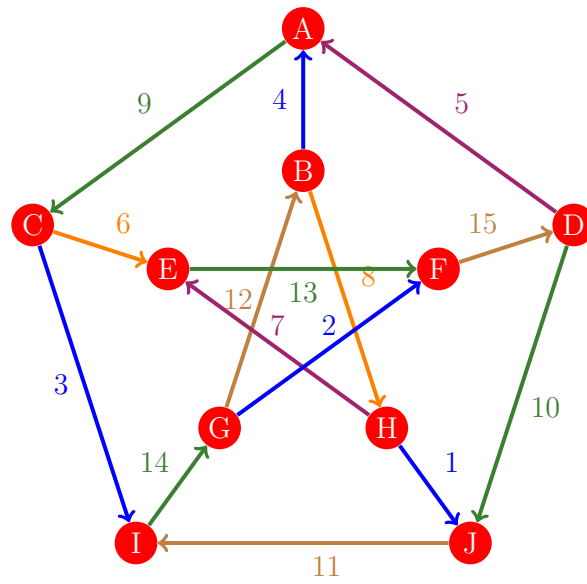


Figura 274: Flujo 266 de la gráfica de Petersen

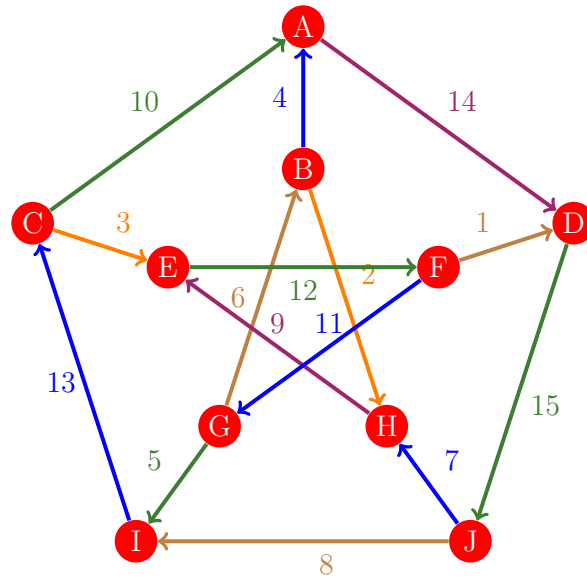


Figura 275: Flujo 267 de la gráfica de Petersen

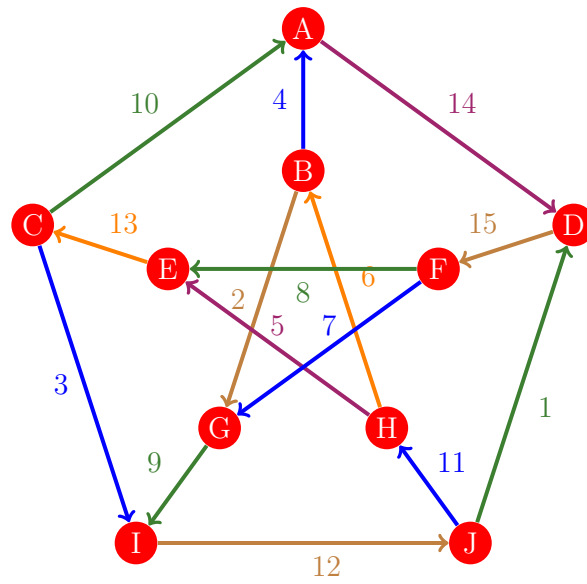


Figura 276: Flujo 268 de la gráfica de Petersen

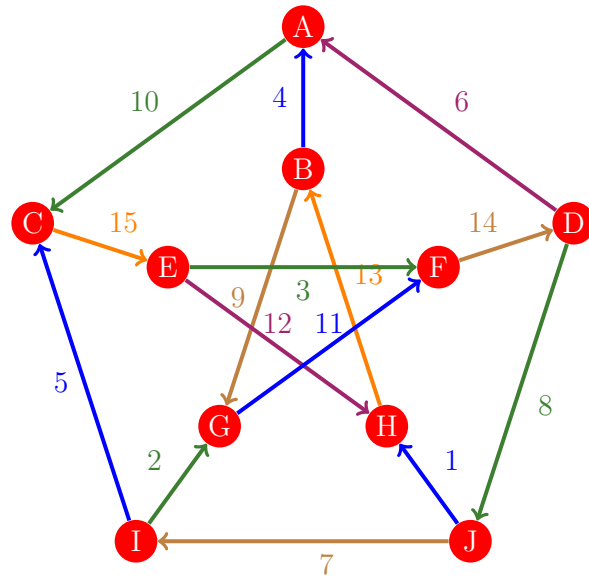


Figura 277: Flujo 269 de la gráfica de Petersen

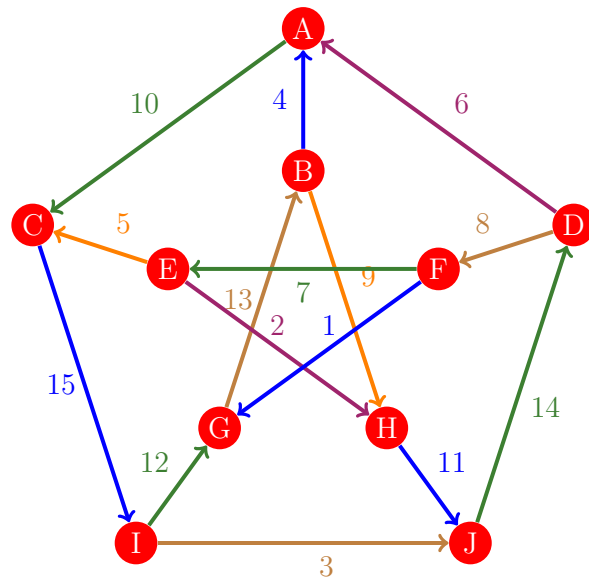


Figura 278: Flujo 270 de la gráfica de Petersen

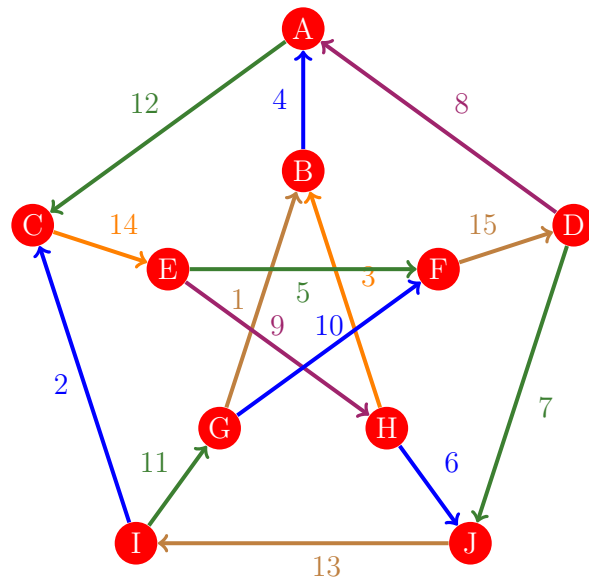


Figura 279: Flujo 271 de la gráfica de Petersen

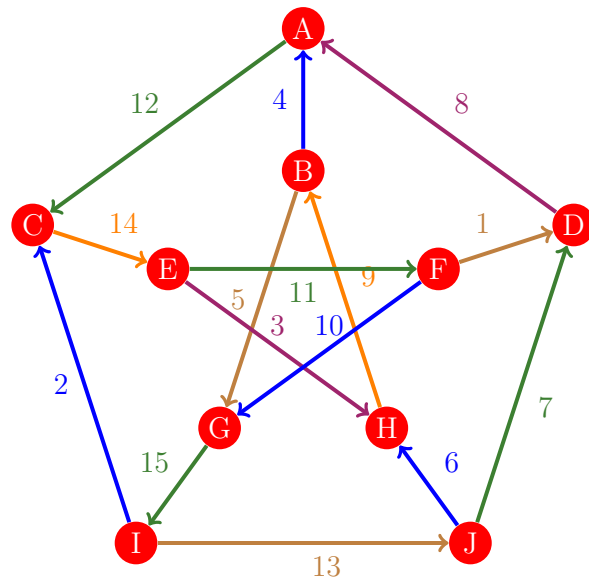


Figura 280: Flujo 272 de la gráfica de Petersen

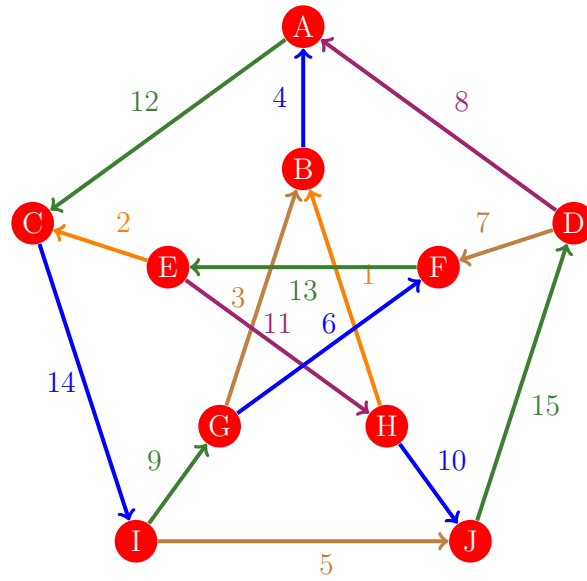


Figura 281: Flujo 273 de la gráfica de Petersen

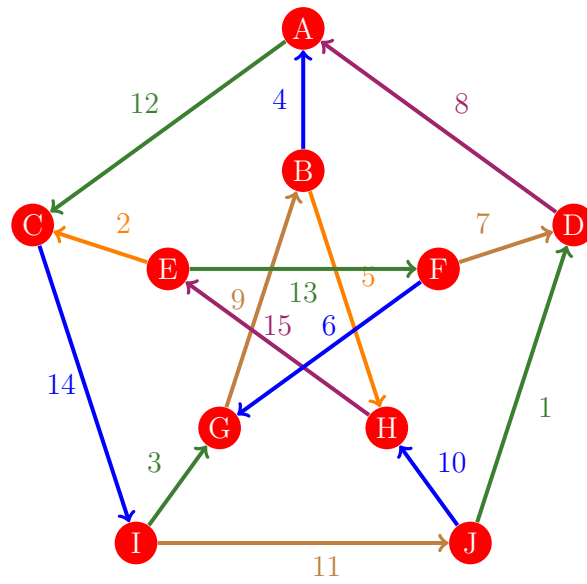


Figura 282: Flujo 274 de la gráfica de Petersen

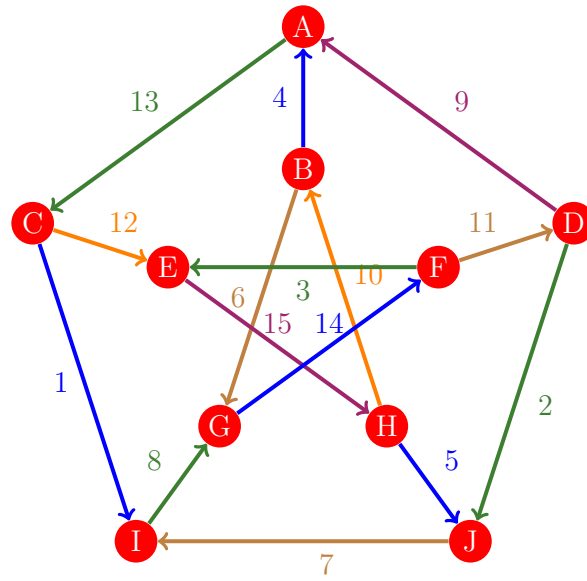


Figura 283: Flujo 275 de la gráfica de Petersen

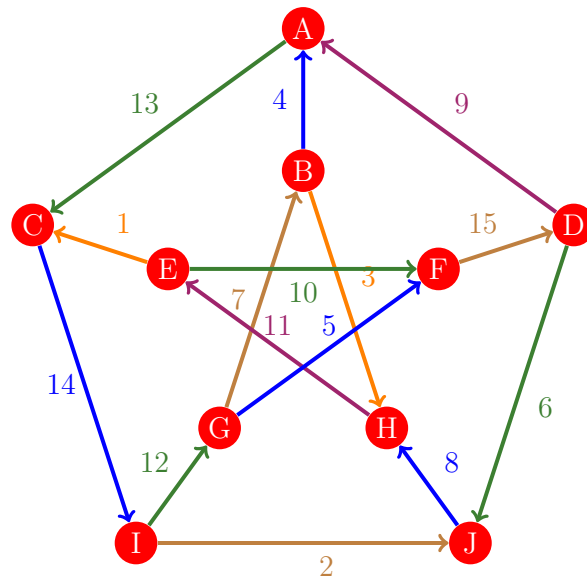


Figura 284: Flujo 276 de la gráfica de Petersen

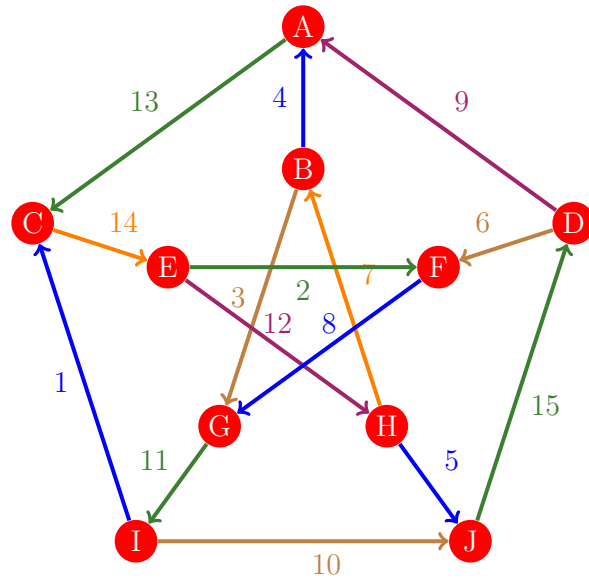


Figura 285: Flujo 277 de la gráfica de Petersen

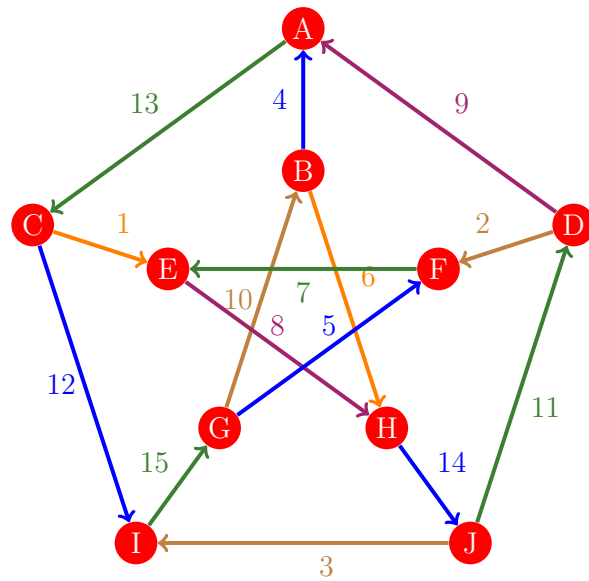


Figura 286: Flujo 278 de la gráfica de Petersen

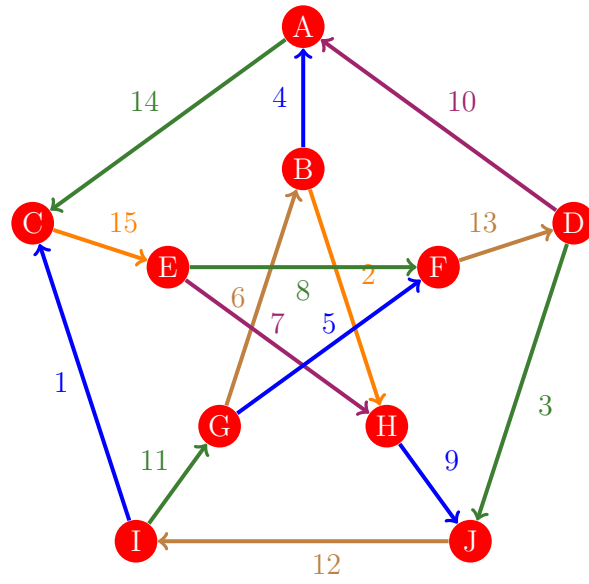


Figura 287: Flujo 279 de la gráfica de Petersen

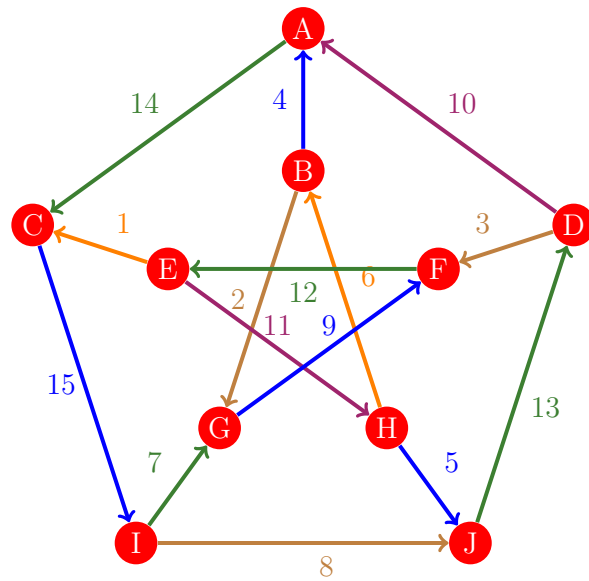


Figura 288: Flujo 280 de la gráfica de Petersen

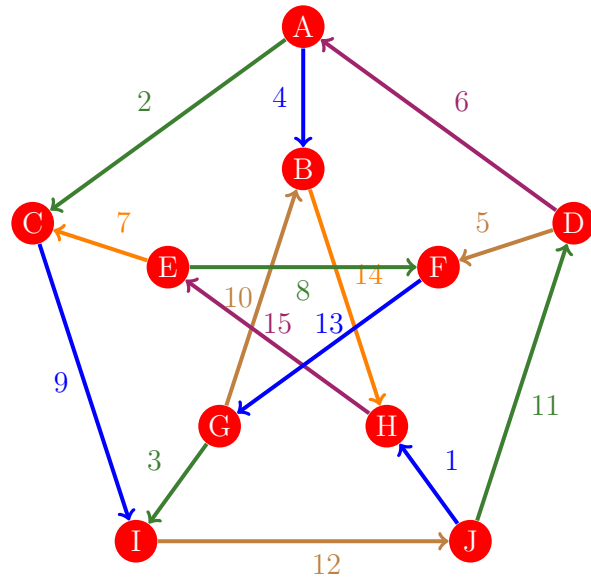


Figura 289: Flujo 281 de la gráfica de Petersen

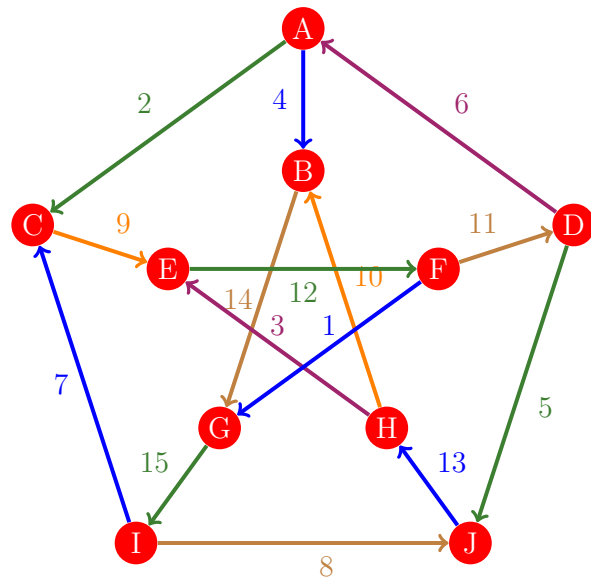


Figura 290: Flujo 282 de la gráfica de Petersen

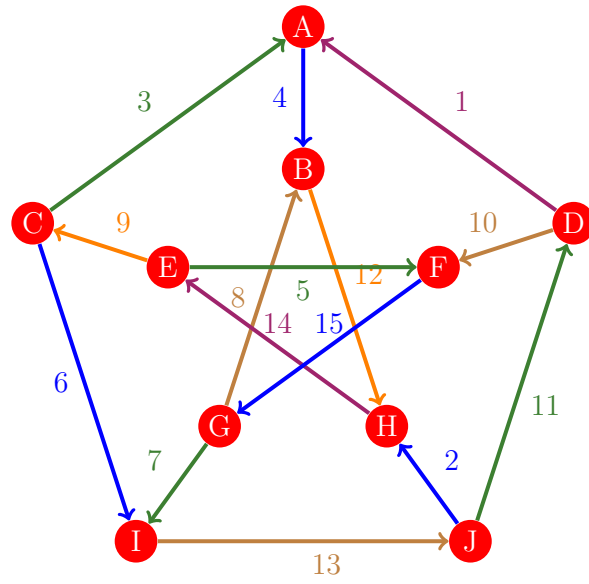


Figura 291: Flujo 283 de la gráfica de Petersen

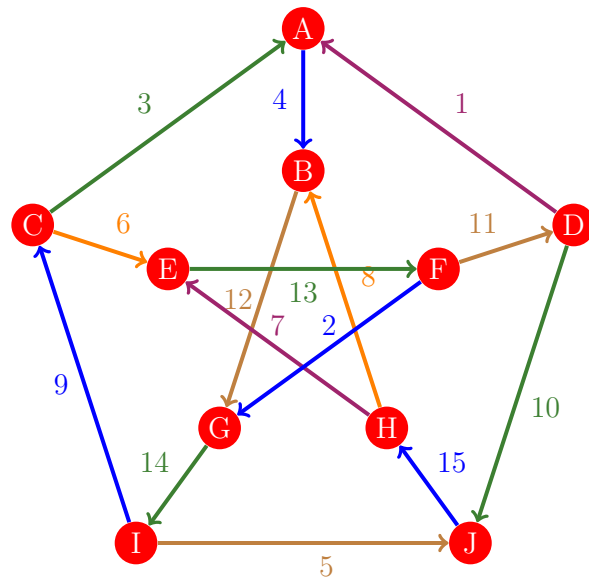


Figura 292: Flujo 284 de la gráfica de Petersen

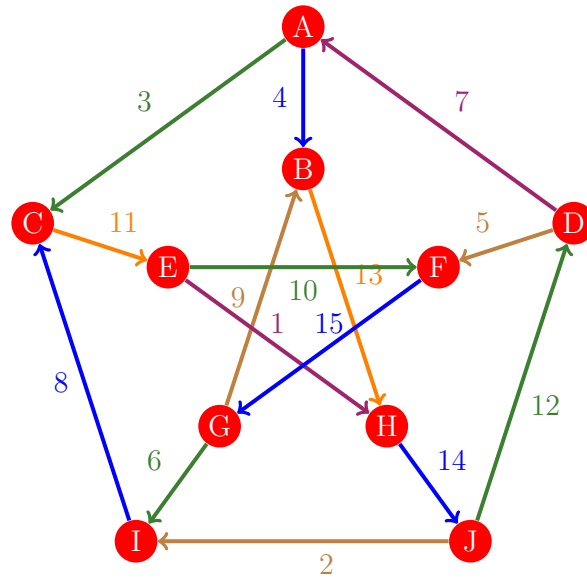


Figura 293: Flujo 285 de la gráfica de Petersen

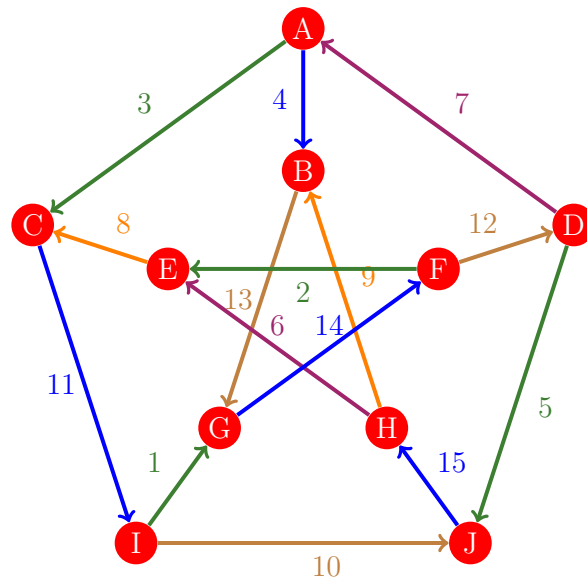


Figura 294: Flujo 286 de la gráfica de Petersen

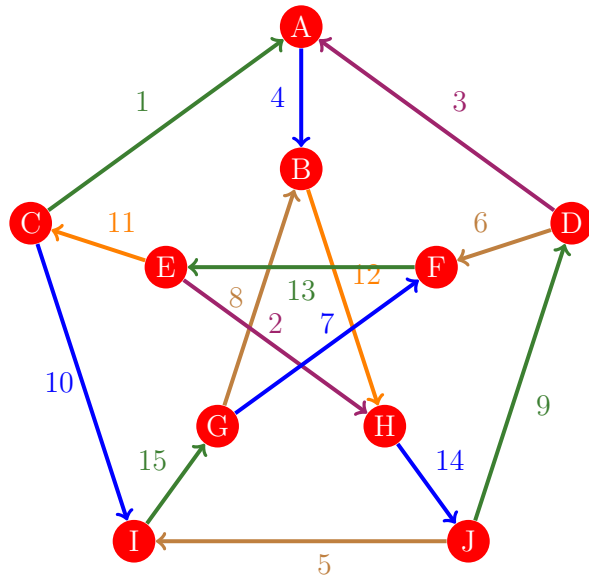


Figura 295: Flujo 287 de la gráfica de Petersen

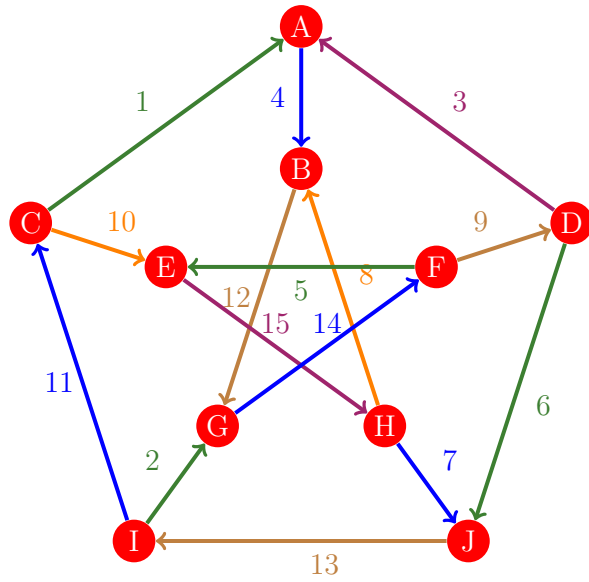


Figura 296: Flujo 288 de la gráfica de Petersen

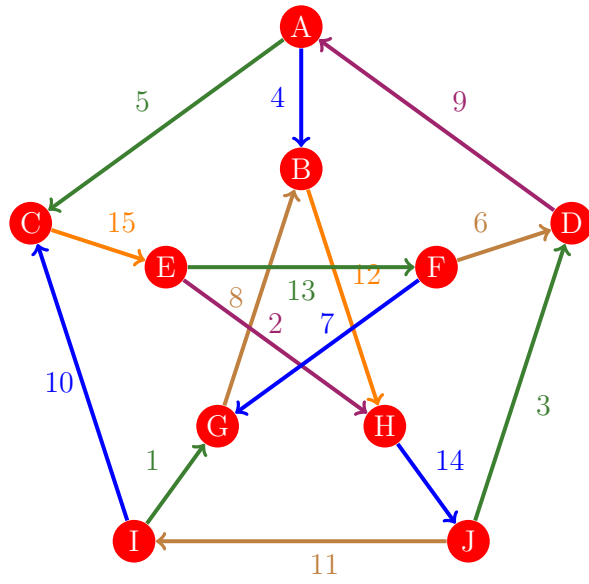


Figura 297: Flujo 289 de la gráfica de Petersen

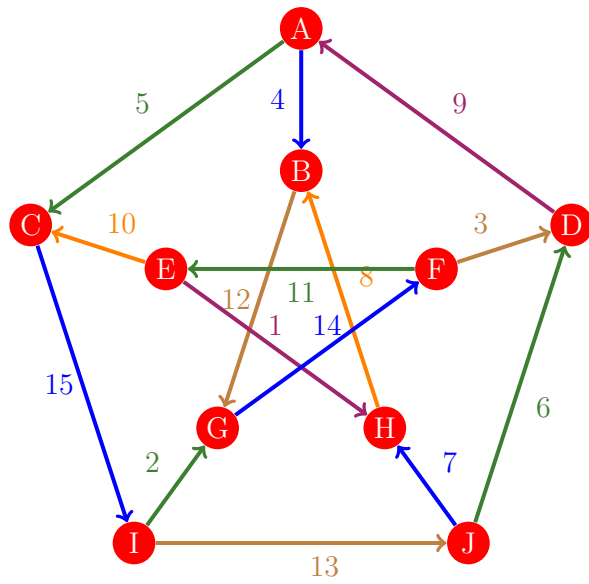


Figura 298: Flujo 290 de la gráfica de Petersen

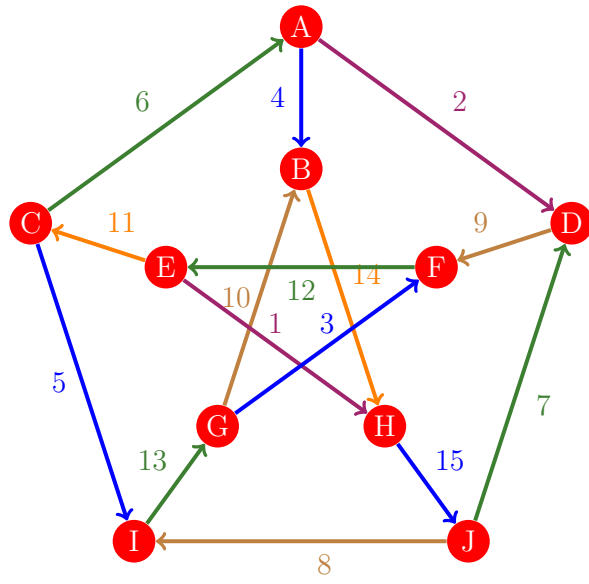


Figura 299: Flujo 291 de la gráfica de Petersen

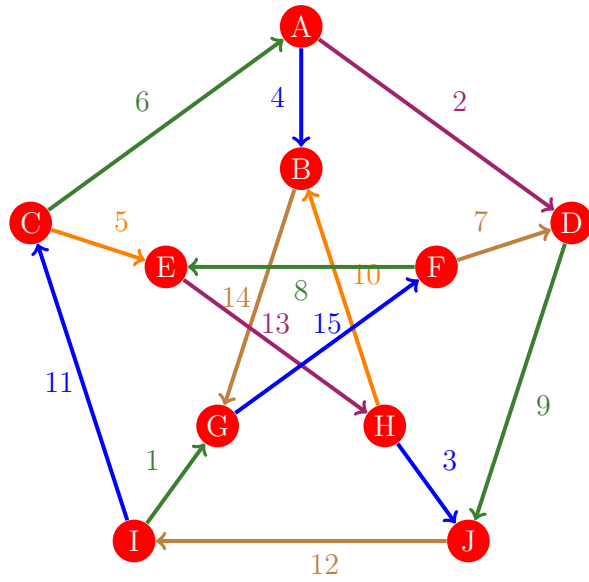


Figura 300: Flujo 292 de la gráfica de Petersen

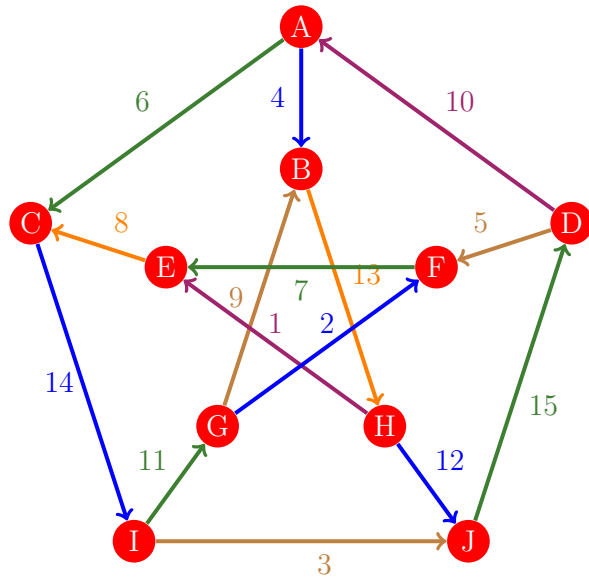


Figura 301: Flujo 293 de la gráfica de Petersen

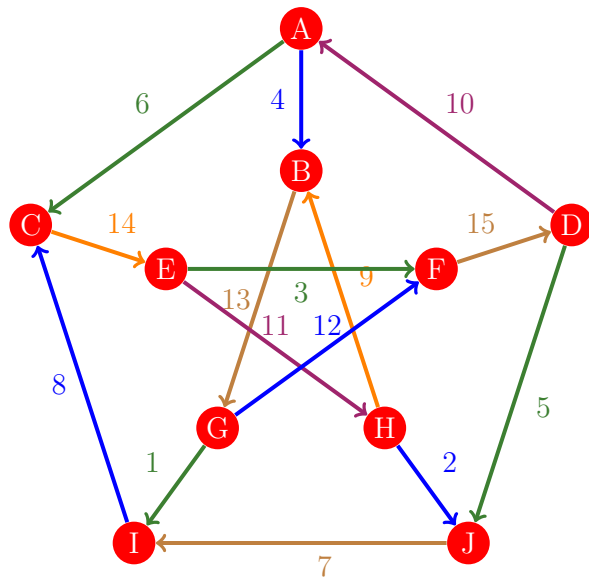


Figura 302: Flujo 294 de la gráfica de Petersen

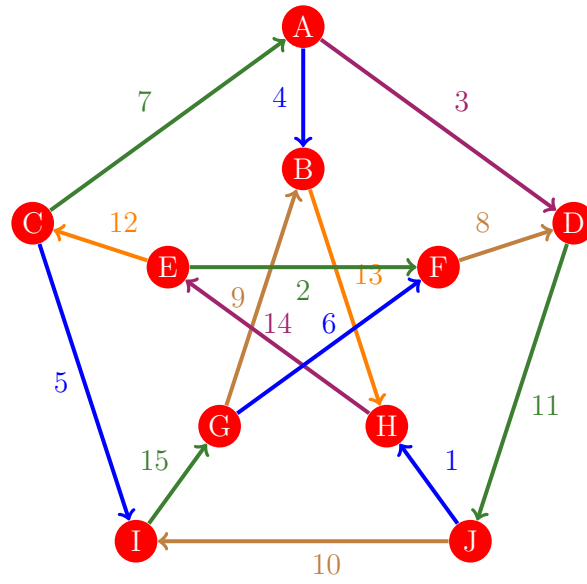


Figura 303: Flujo 295 de la gráfica de Petersen

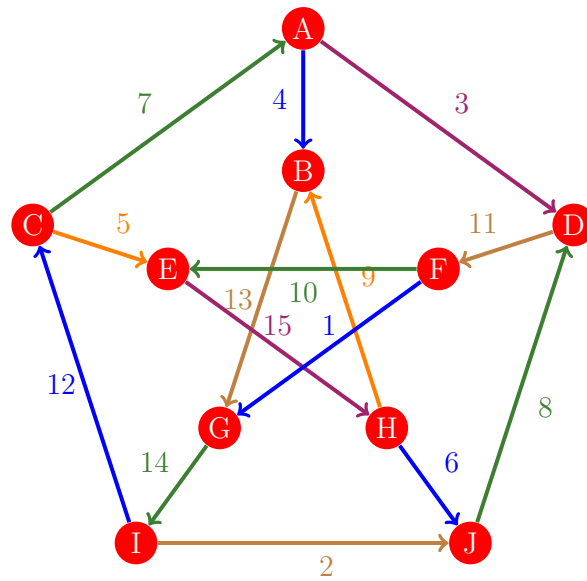


Figura 304: Flujo 296 de la gráfica de Petersen

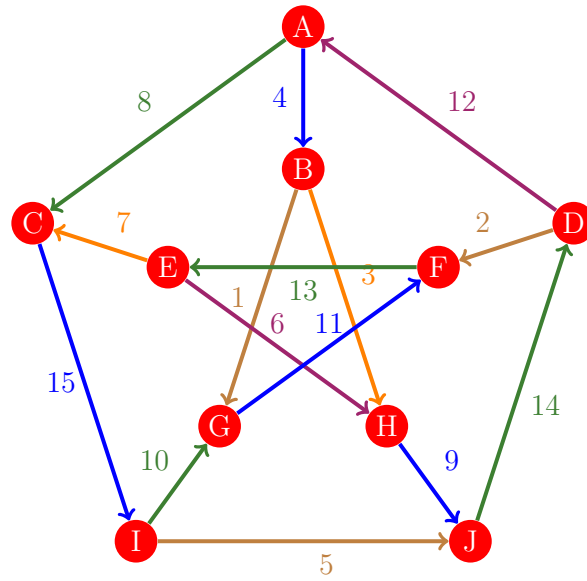


Figura 305: Flujo 297 de la gráfica de Petersen

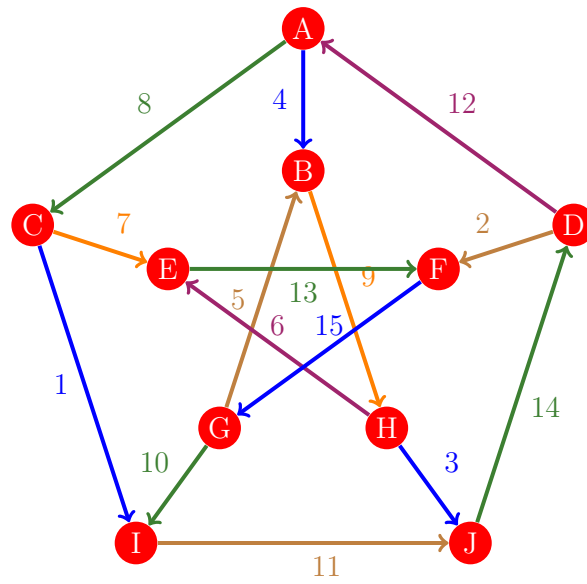


Figura 306: Flujo 298 de la gráfica de Petersen

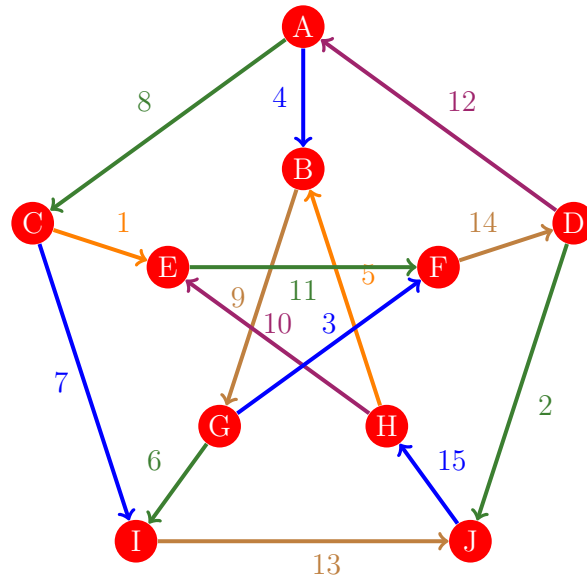


Figura 307: Flujo 299 de la gráfica de Petersen

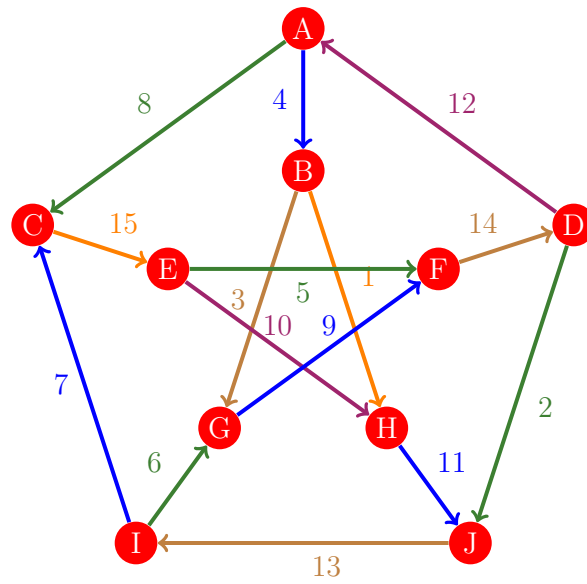


Figura 308: Flujo 300 de la gráfica de Petersen

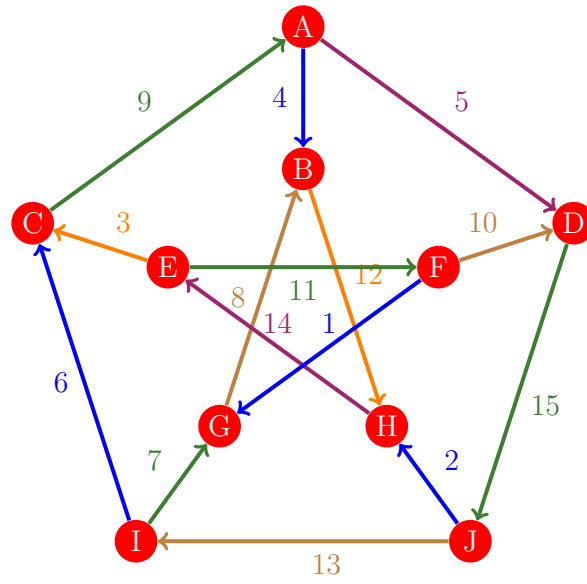


Figura 309: Flujo 301 de la gráfica de Petersen

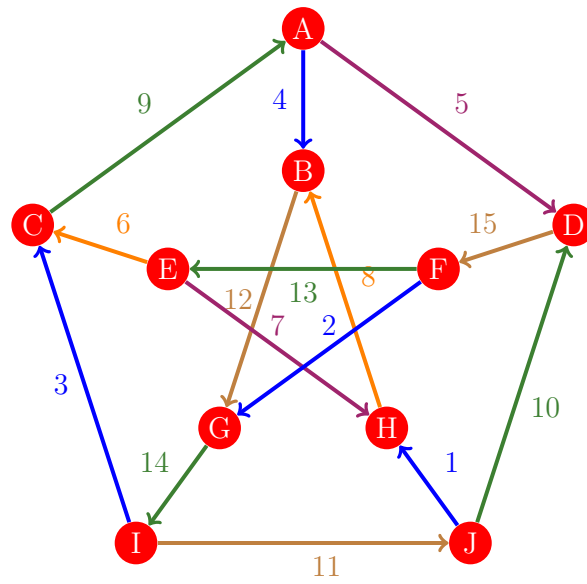


Figura 310: Flujo 302 de la gráfica de Petersen

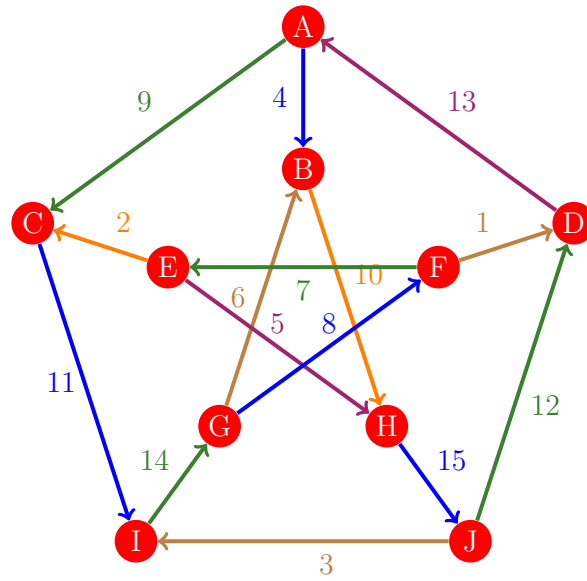


Figura 311: Flujo 303 de la gráfica de Petersen

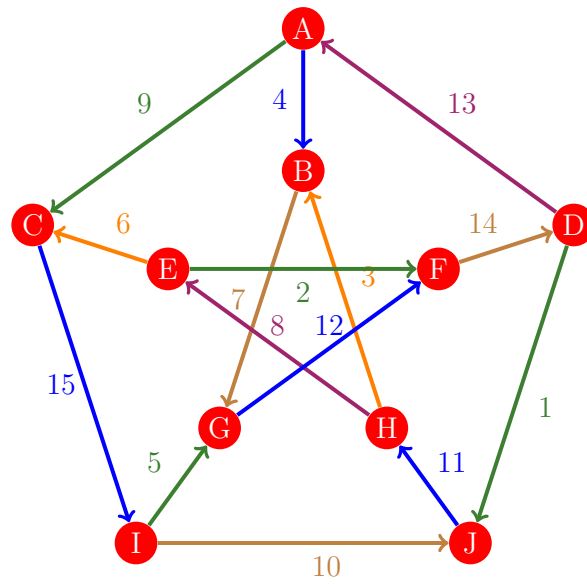


Figura 312: Flujo 304 de la gráfica de Petersen

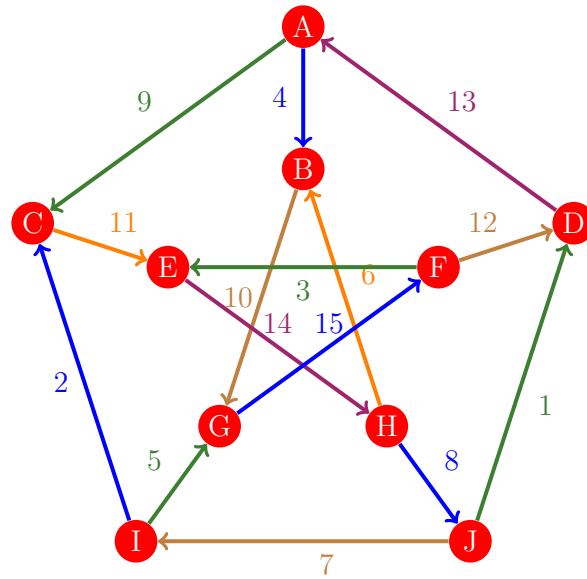


Figura 313: Flujo 305 de la gráfica de Petersen

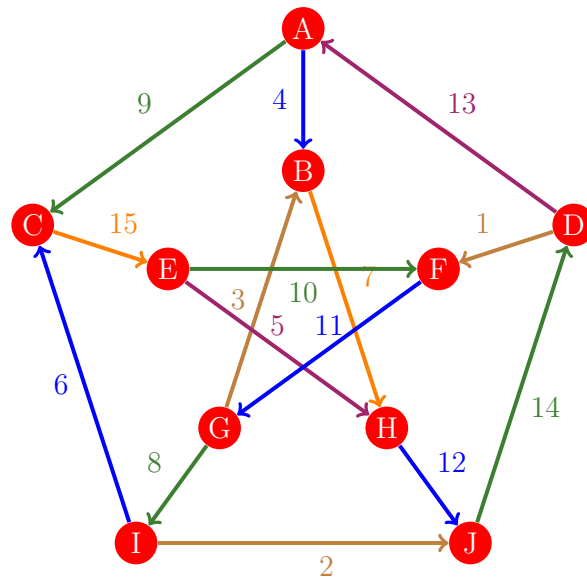


Figura 314: Flujo 306 de la gráfica de Petersen

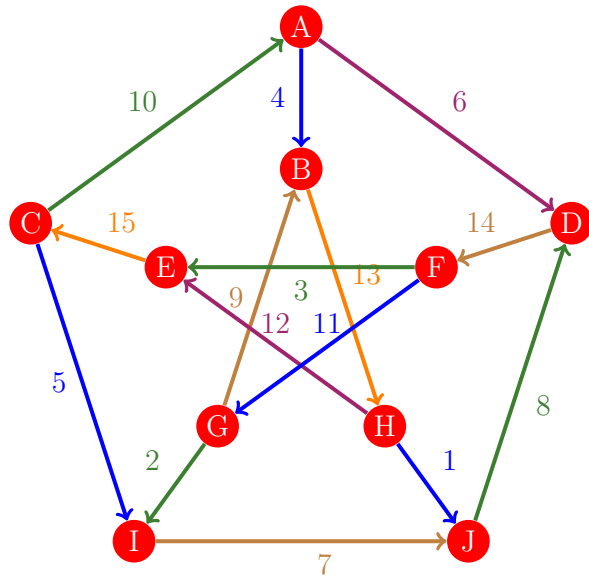


Figura 315: Flujo 307 de la gráfica de Petersen

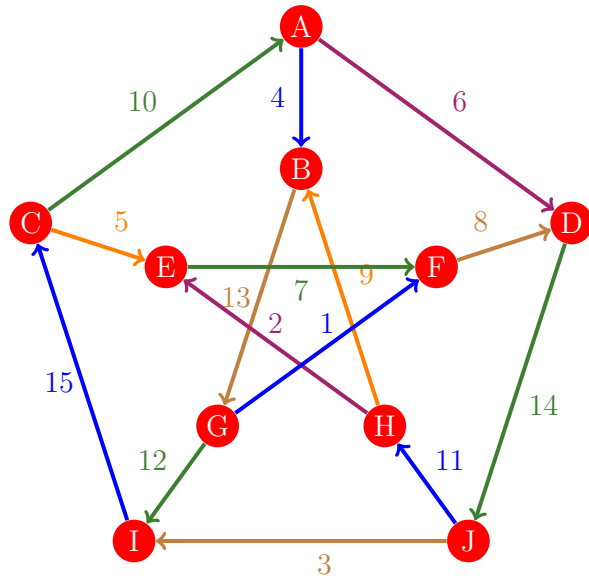


Figura 316: Flujo 308 de la gráfica de Petersen

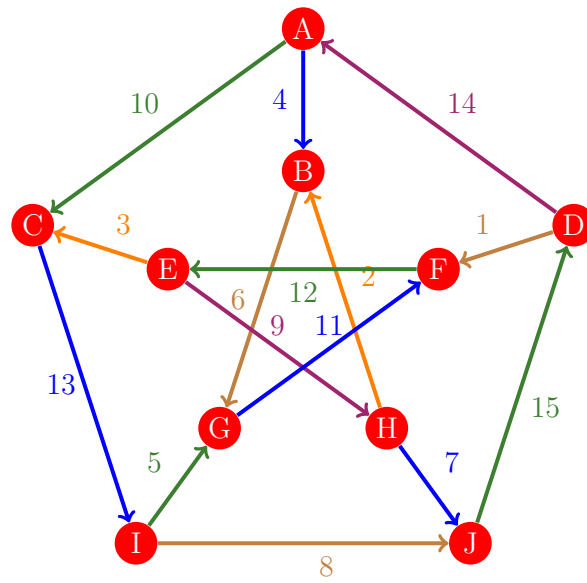


Figura 317: Flujo 309 de la gráfica de Petersen

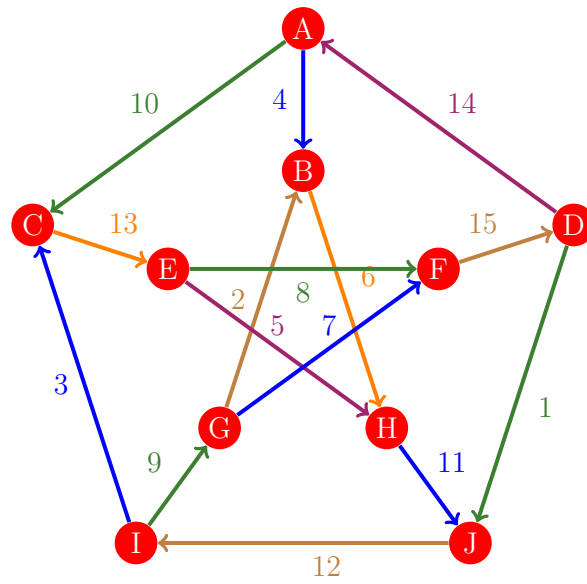


Figura 318: Flujo 310 de la gráfica de Petersen

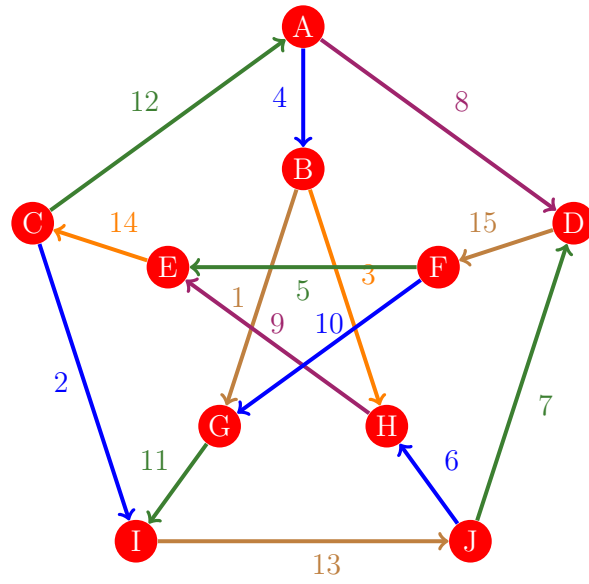


Figura 319: Flujo 311 de la gráfica de Petersen

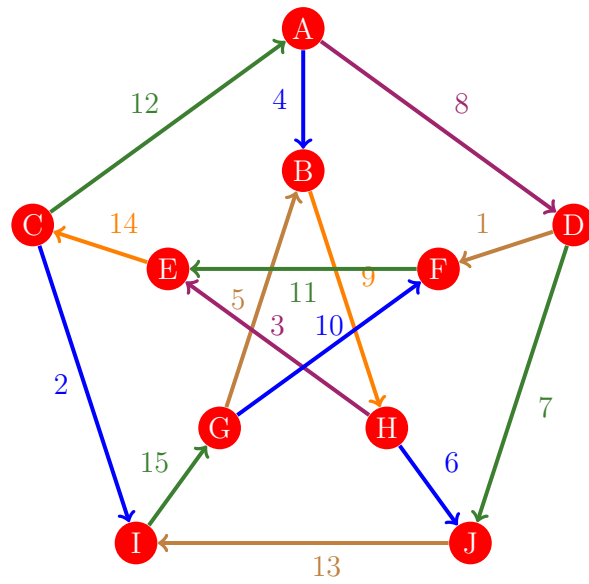


Figura 320: Flujo 312 de la gráfica de Petersen

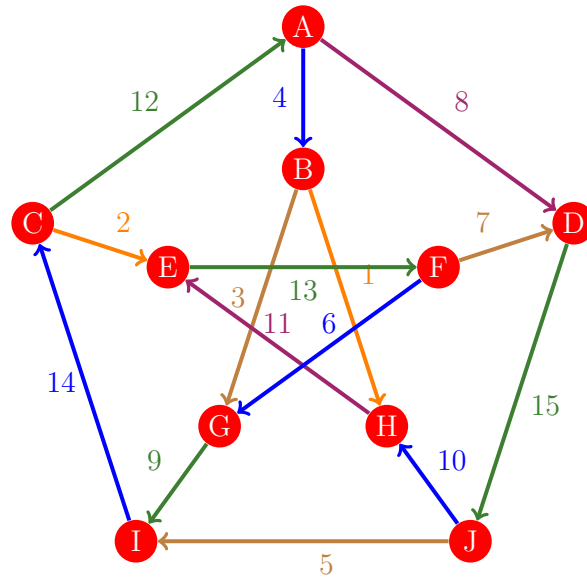


Figura 321: Flujo 313 de la gráfica de Petersen

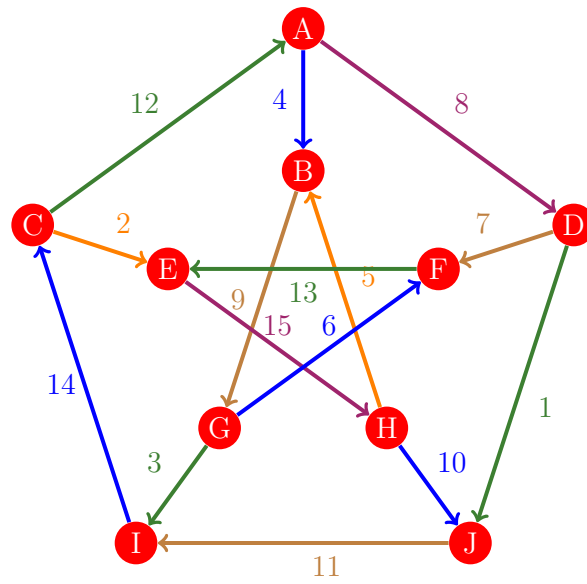


Figura 322: Flujo 314 de la gráfica de Petersen

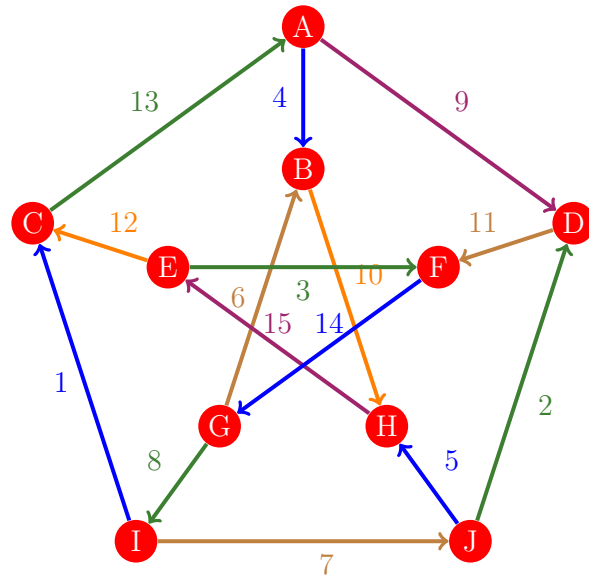


Figura 323: Flujo 315 de la gráfica de Petersen

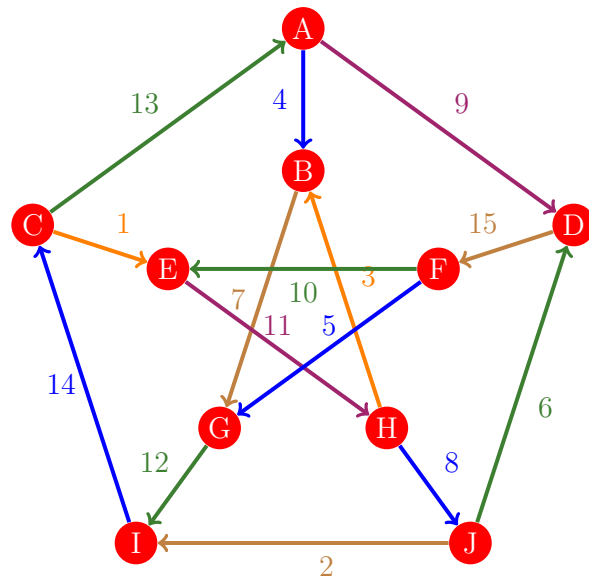


Figura 324: Flujo 316 de la gráfica de Petersen

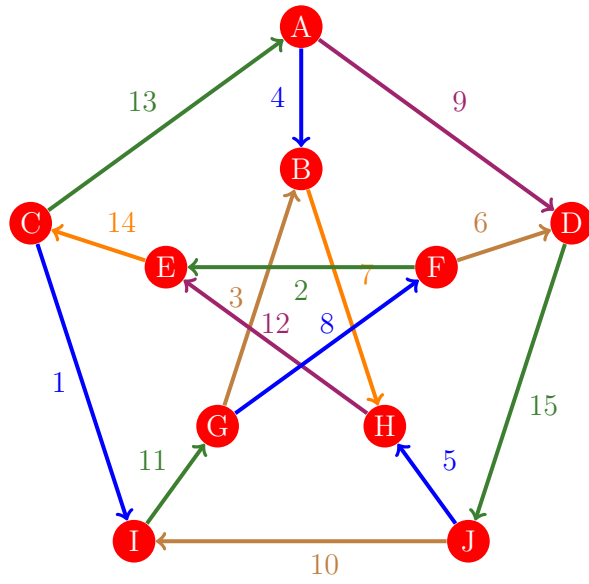


Figura 325: Flujo 317 de la gráfica de Petersen

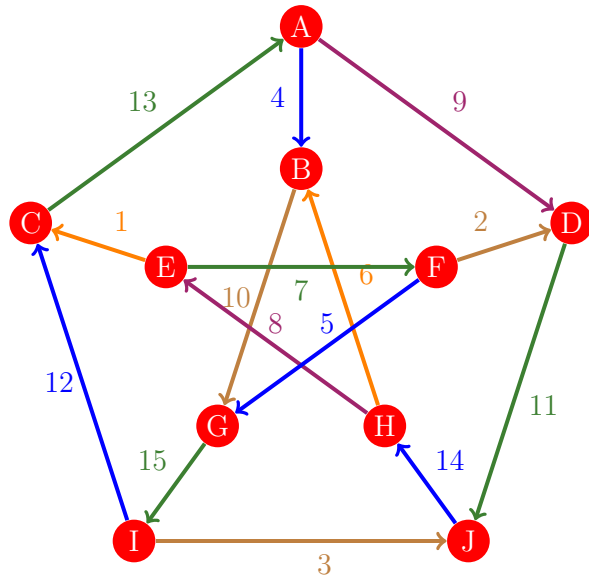


Figura 326: Flujo 318 de la gráfica de Petersen

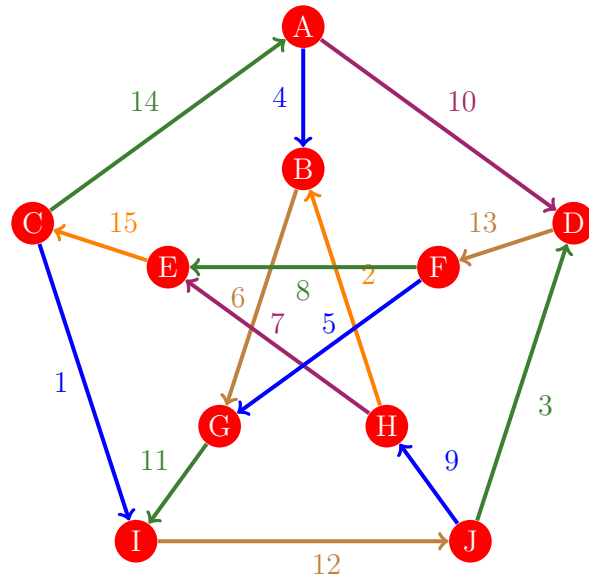


Figura 327: Flujo 319 de la gráfica de Petersen

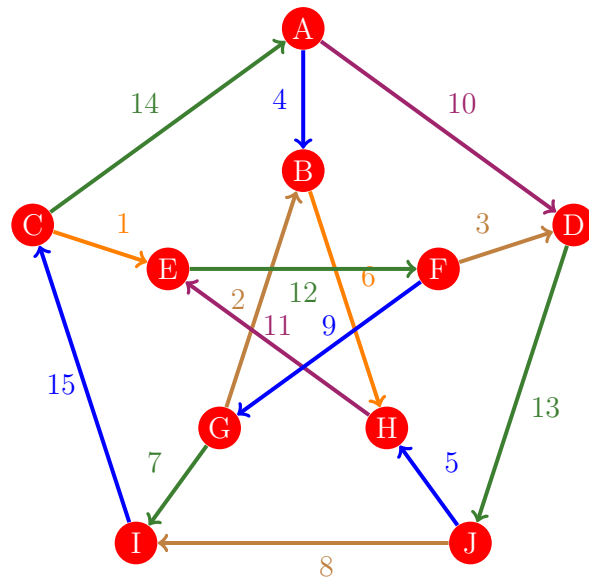


Figura 328: Flujo 320 de la gráfica de Petersen

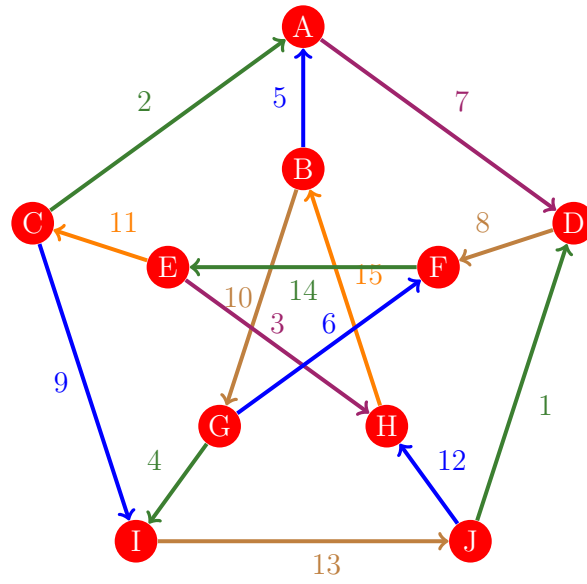


Figura 329: Flujo 321 de la gráfica de Petersen

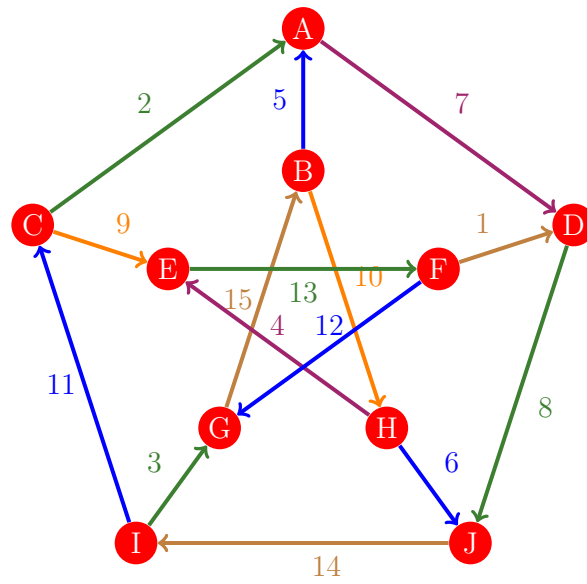


Figura 330: Flujo 322 de la gráfica de Petersen

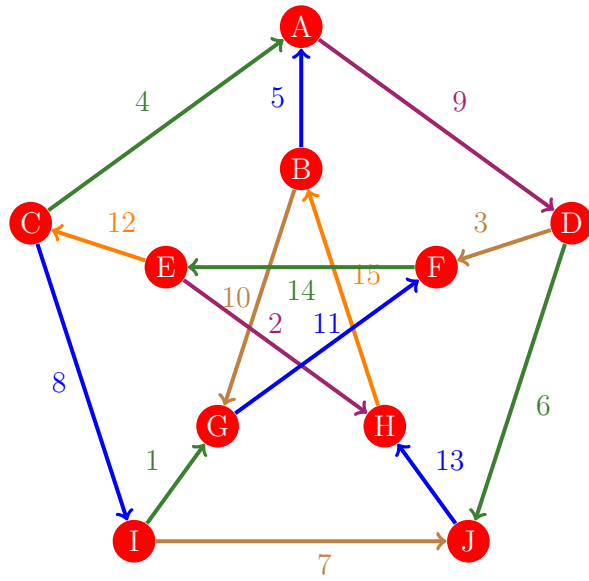


Figura 331: Flujo 323 de la gráfica de Petersen

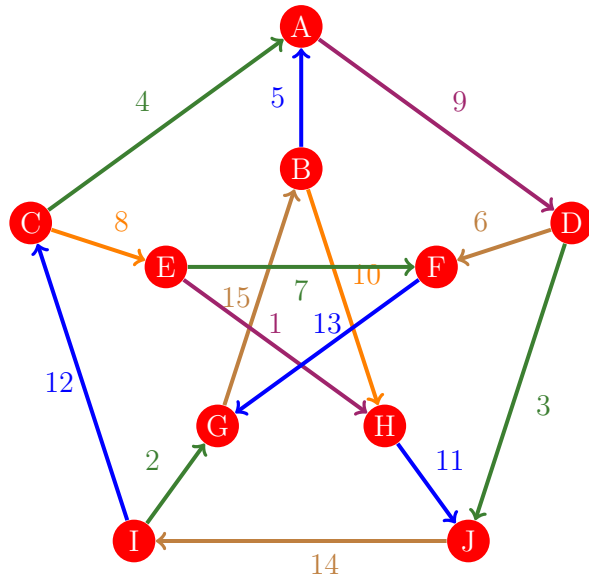


Figura 332: Flujo 324 de la gráfica de Petersen

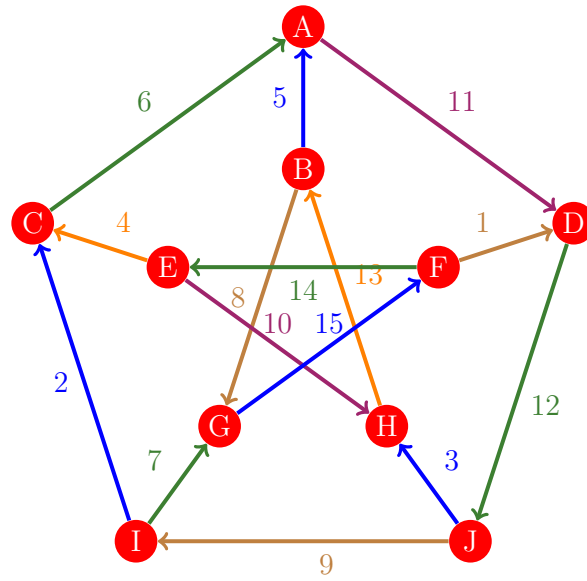


Figura 333: Flujo 325 de la gráfica de Petersen

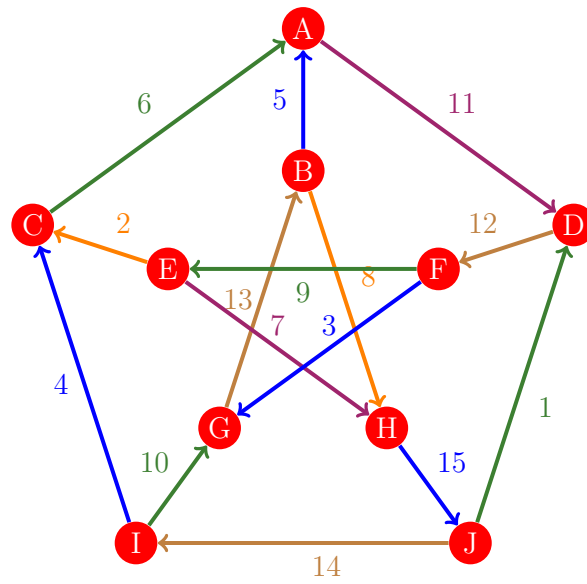


Figura 334: Flujo 326 de la gráfica de Petersen

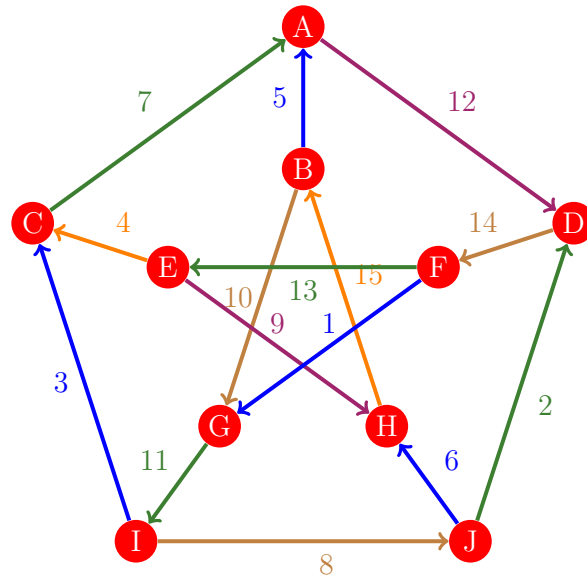


Figura 335: Flujo 327 de la gráfica de Petersen

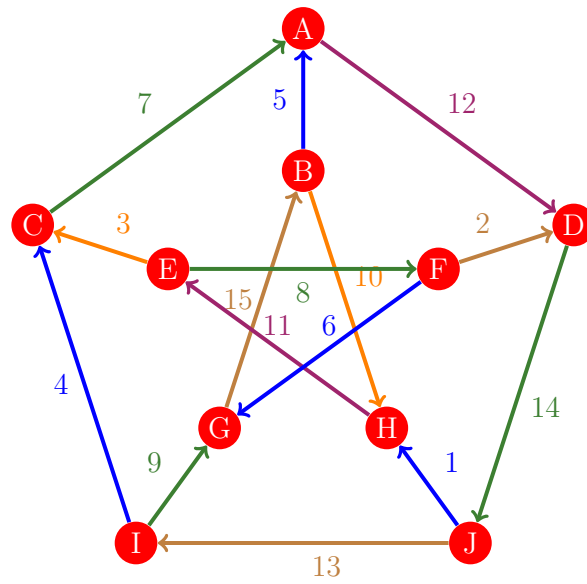


Figura 336: Flujo 328 de la gráfica de Petersen

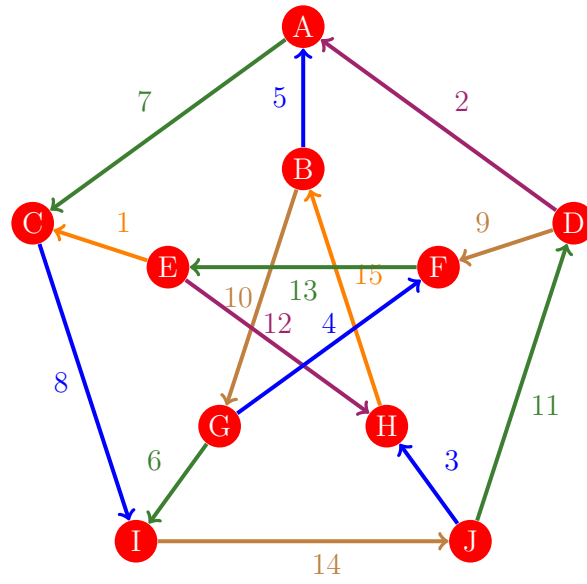


Figura 337: Flujo 329 de la gráfica de Petersen

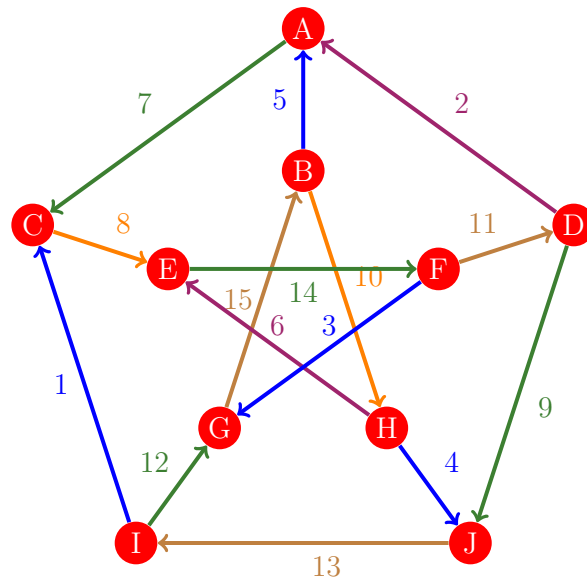


Figura 338: Flujo 330 de la gráfica de Petersen

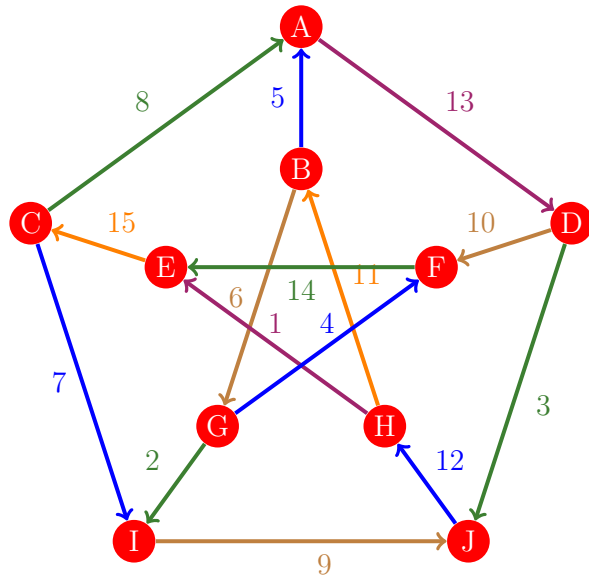


Figura 339: Flujo 331 de la gráfica de Petersen

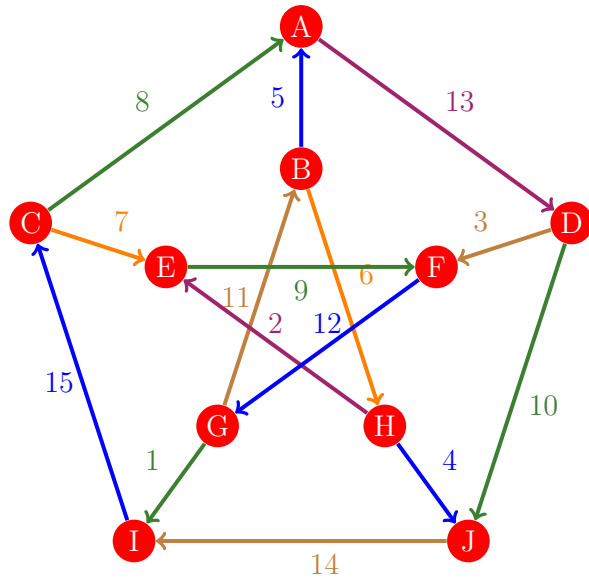


Figura 340: Flujo 332 de la gráfica de Petersen

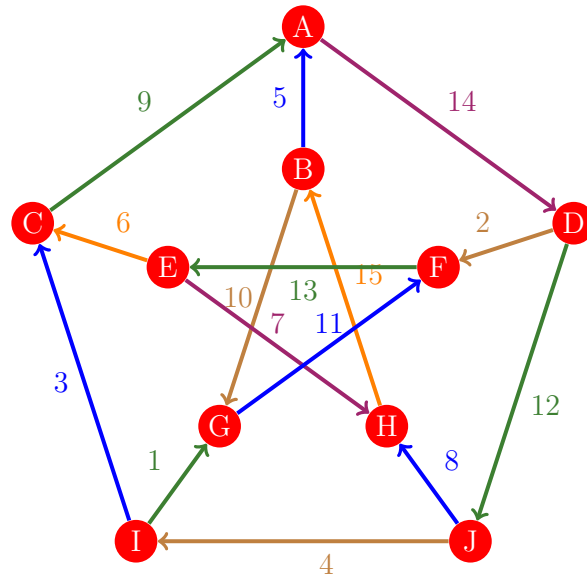


Figura 341: Flujo 333 de la gráfica de Petersen

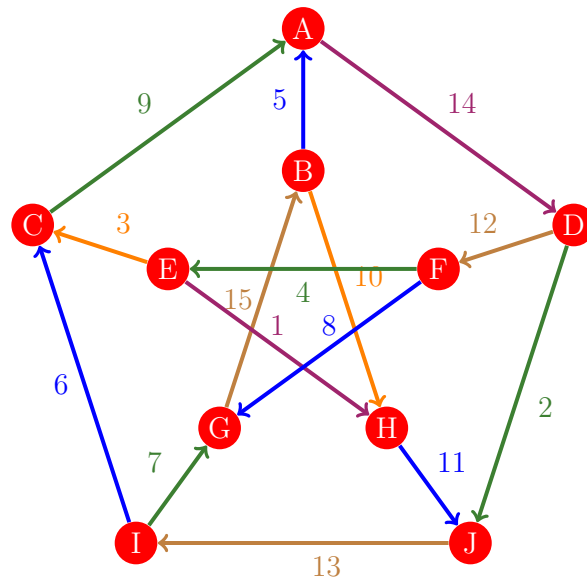


Figura 342: Flujo 334 de la gráfica de Petersen

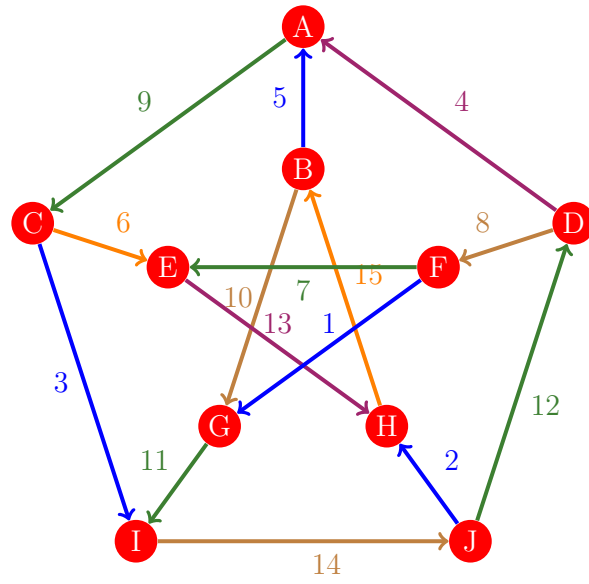


Figura 343: Flujo 335 de la gráfica de Petersen

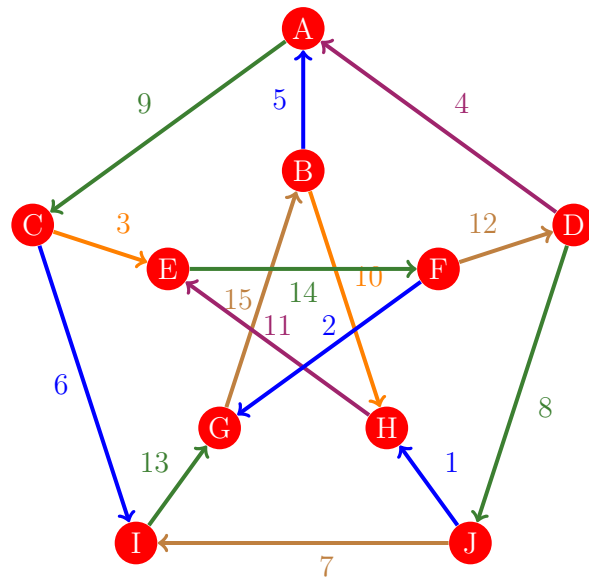


Figura 344: Flujo 336 de la gráfica de Petersen

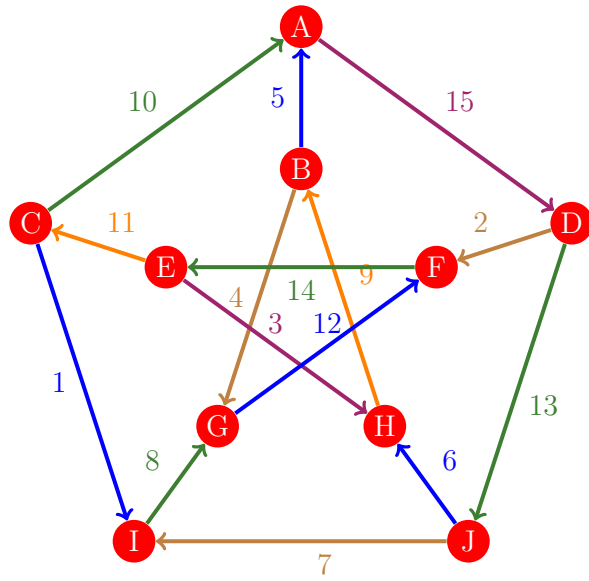


Figura 345: Flujo 337 de la gráfica de Petersen

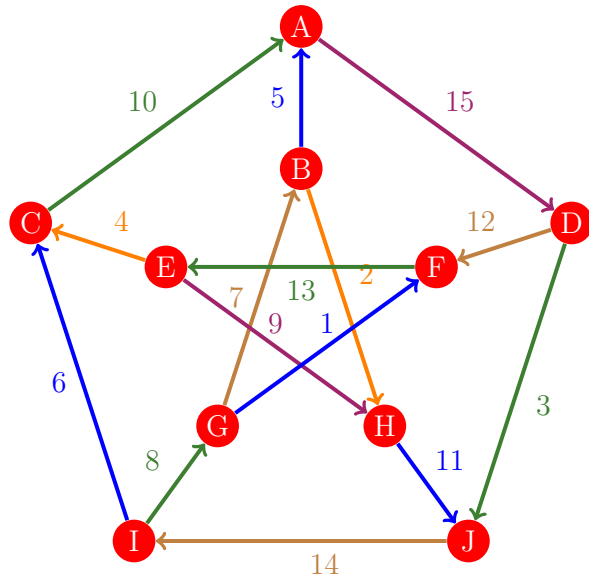


Figura 346: Flujo 338 de la gráfica de Petersen

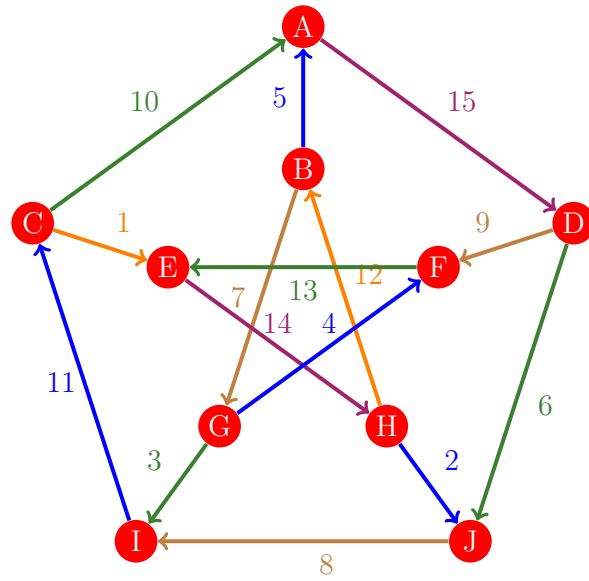


Figura 347: Flujo 339 de la gráfica de Petersen

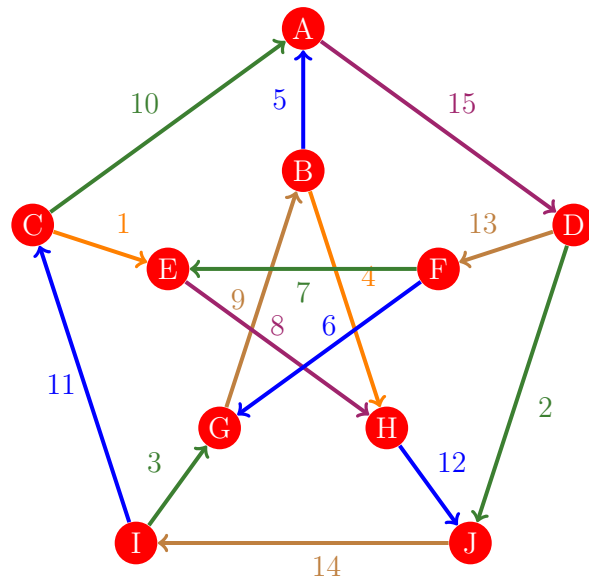


Figura 348: Flujo 340 de la gráfica de Petersen

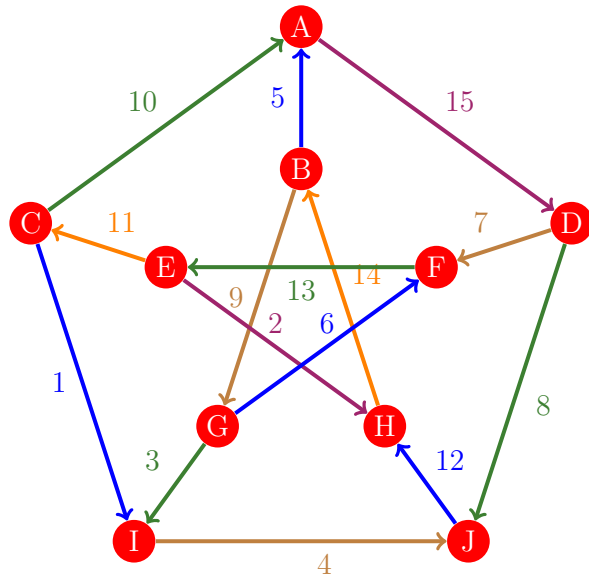


Figura 349: Flujo 341 de la gráfica de Petersen

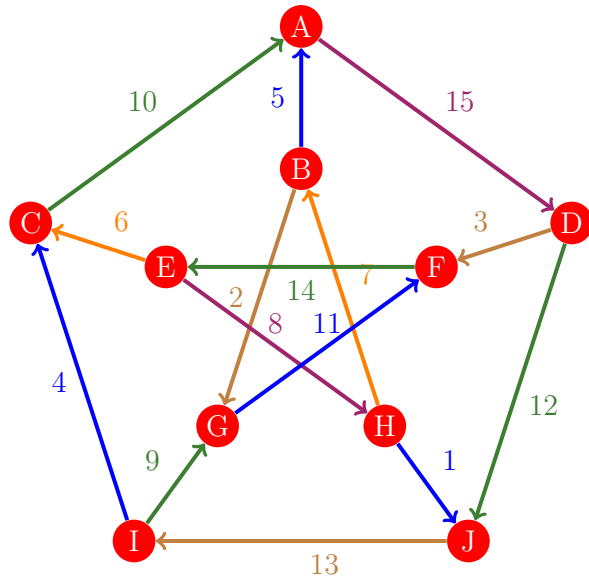


Figura 350: Flujo 342 de la gráfica de Petersen

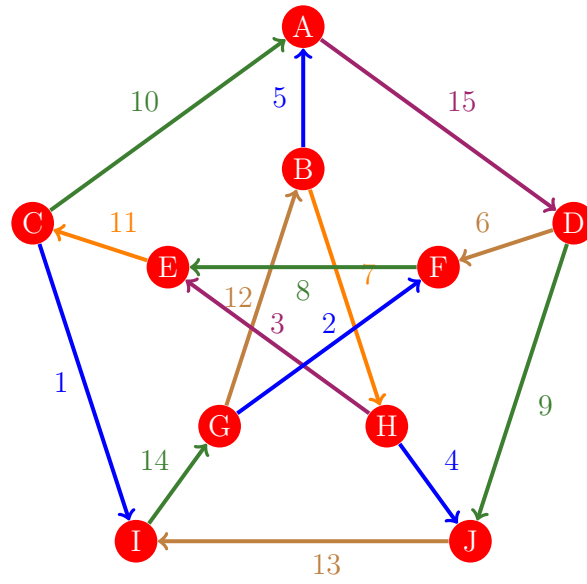


Figura 351: Flujo 343 de la gráfica de Petersen

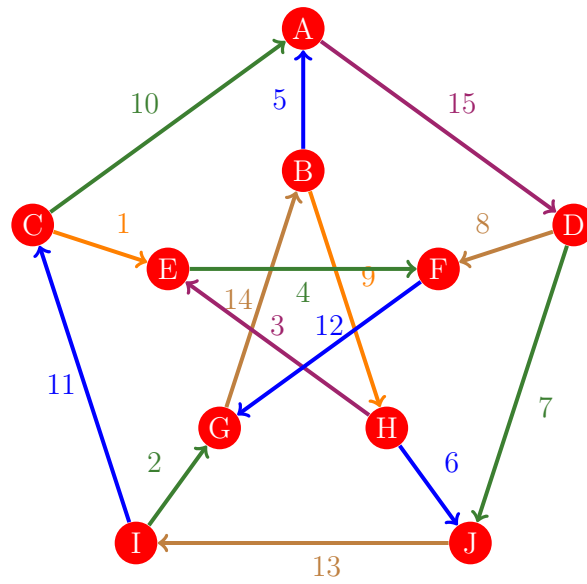


Figura 352: Flujo 344 de la gráfica de Petersen

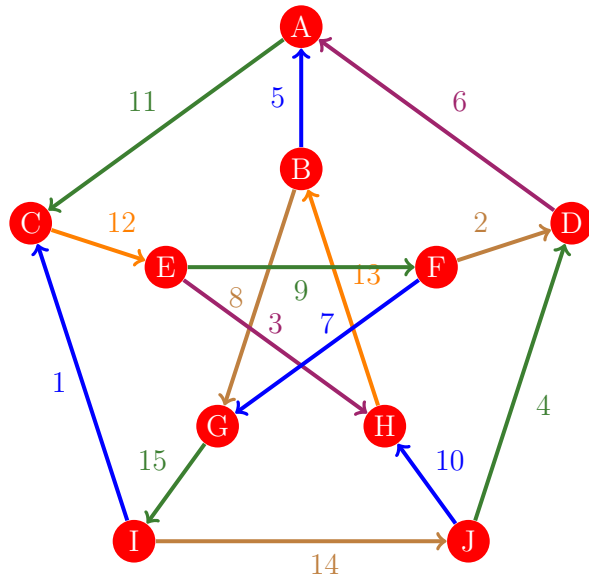


Figura 353: Flujo 345 de la gráfica de Petersen

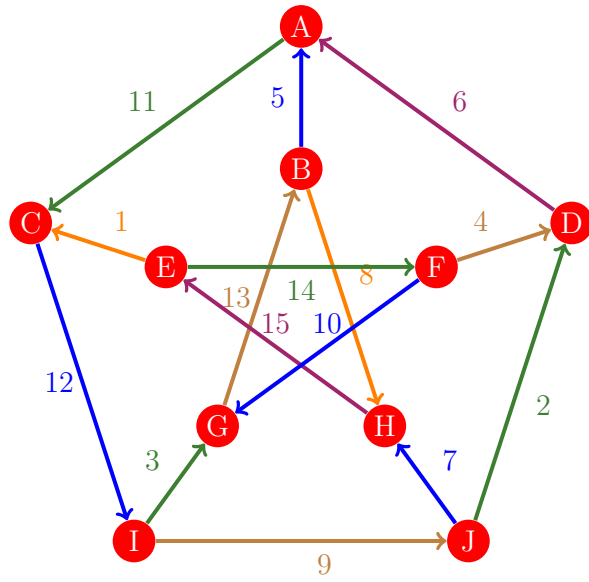


Figura 354: Flujo 346 de la gráfica de Petersen

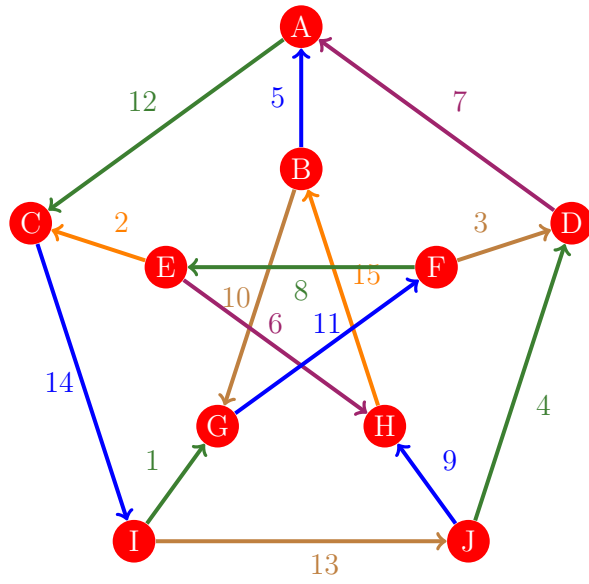


Figura 355: Flujo 347 de la gráfica de Petersen

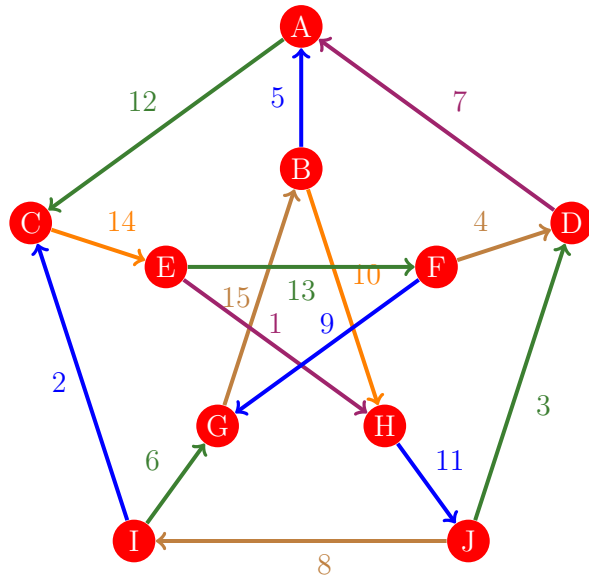


Figura 356: Flujo 348 de la gráfica de Petersen

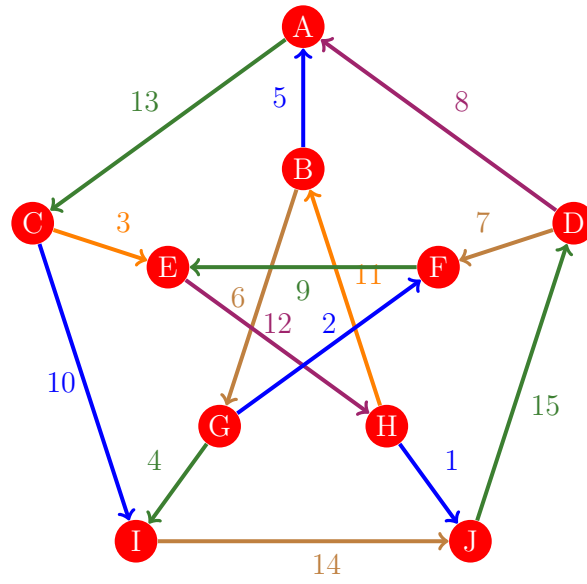


Figura 357: Flujo 349 de la gráfica de Petersen

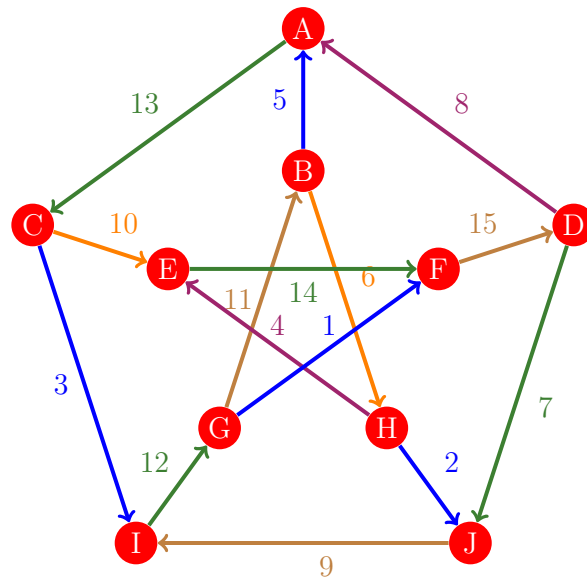


Figura 358: Flujo 350 de la gráfica de Petersen

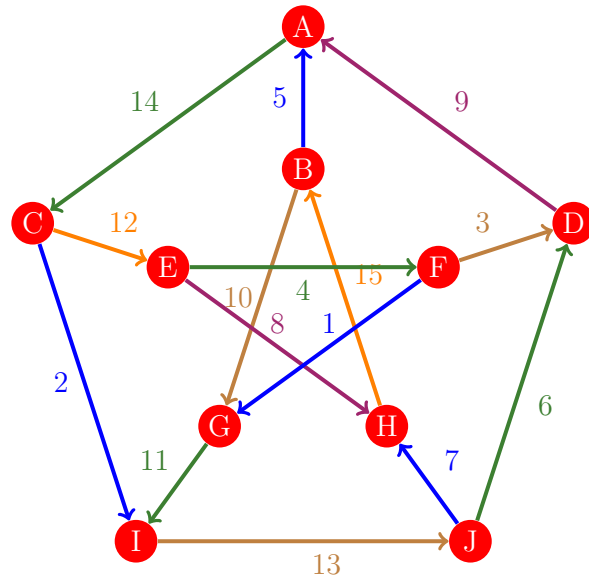


Figura 359: Flujo 351 de la gráfica de Petersen

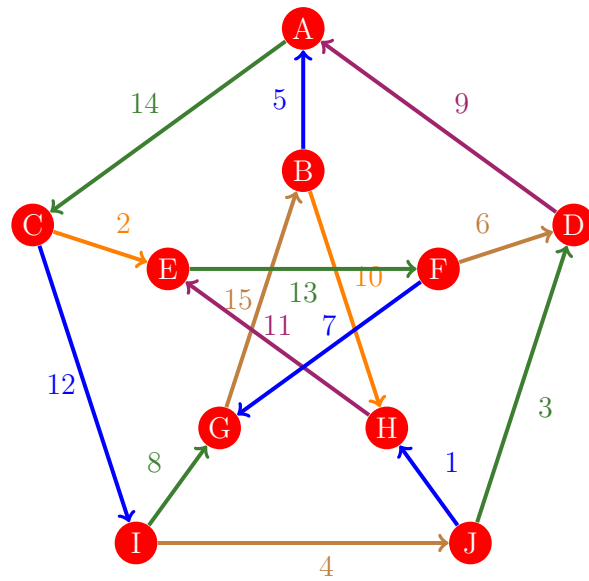


Figura 360: Flujo 352 de la gráfica de Petersen

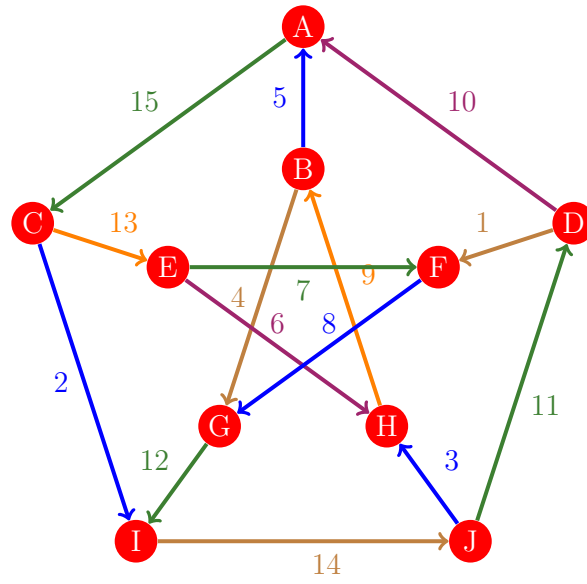


Figura 361: Flujo 353 de la gráfica de Petersen

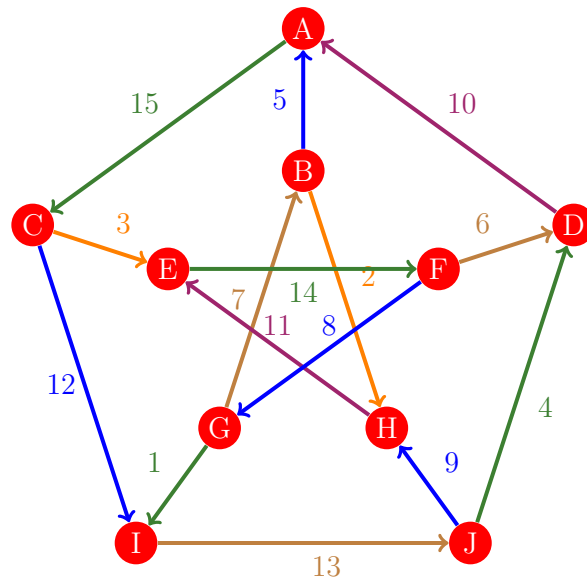


Figura 362: Flujo 354 de la gráfica de Petersen

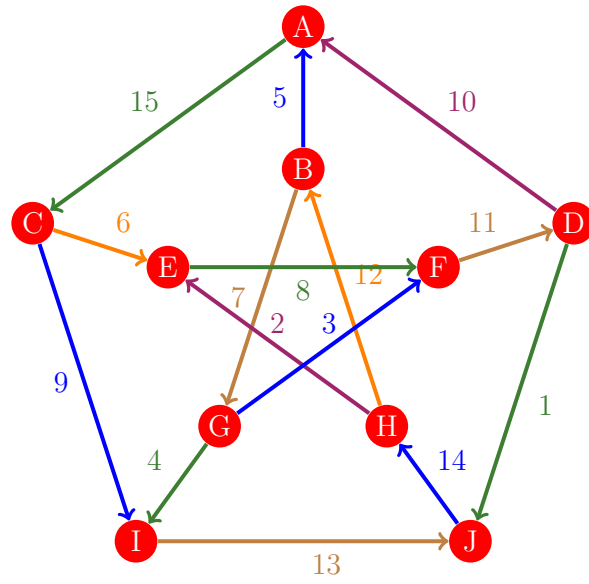


Figura 363: Flujo 355 de la gráfica de Petersen

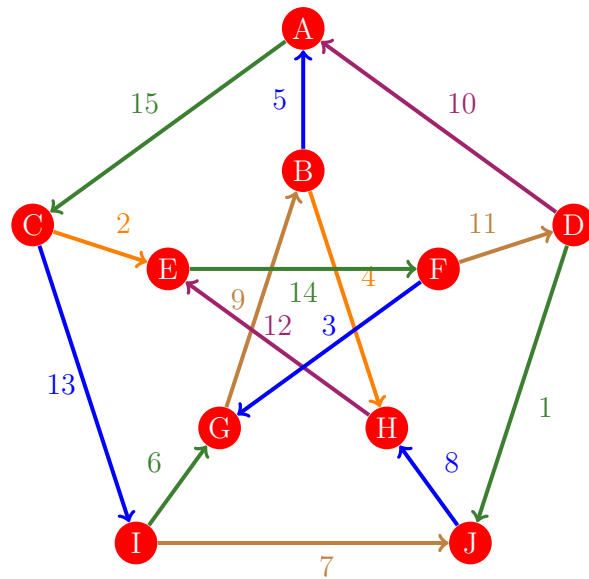


Figura 364: Flujo 356 de la gráfica de Petersen

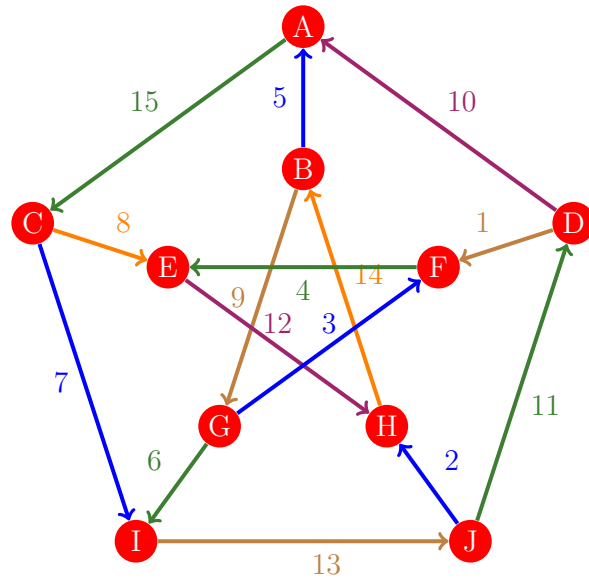


Figura 365: Flujo 357 de la gráfica de Petersen

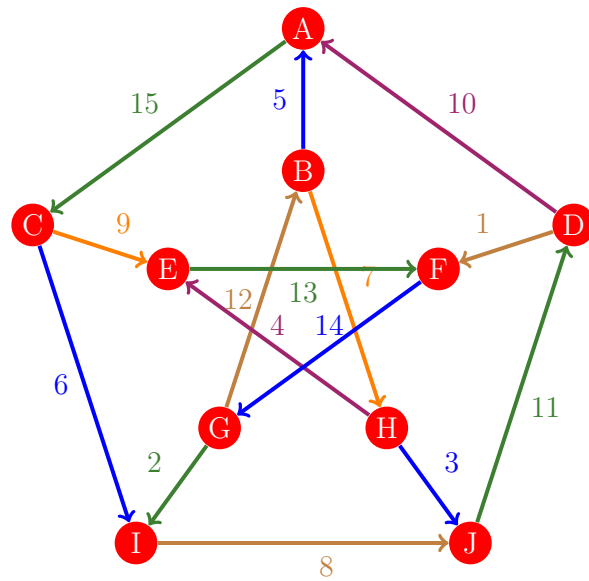


Figura 366: Flujo 358 de la gráfica de Petersen

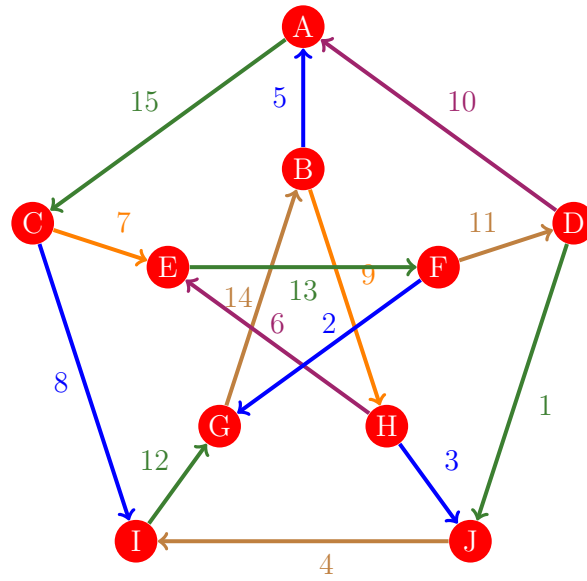


Figura 367: Flujo 359 de la gráfica de Petersen

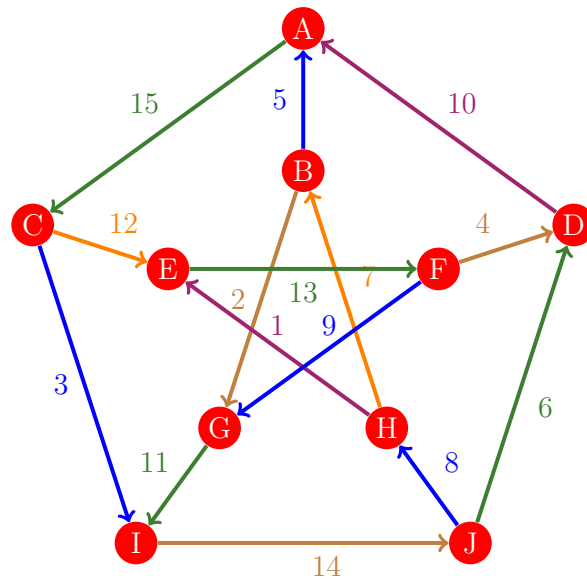


Figura 368: Flujo 360 de la gráfica de Petersen

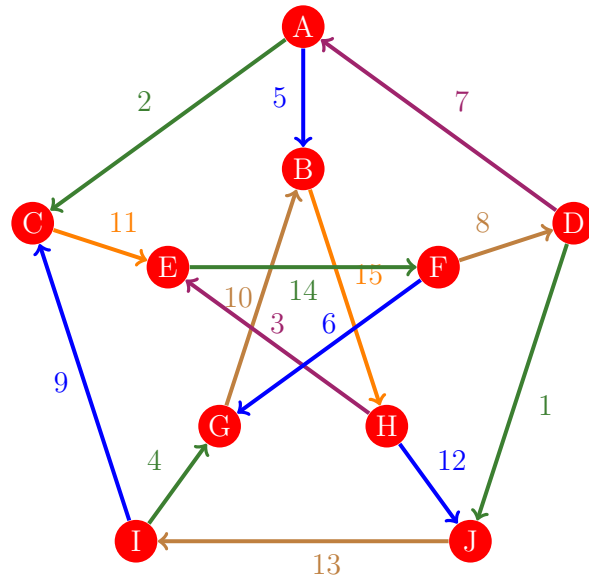


Figura 369: Flujo 361 de la gráfica de Petersen

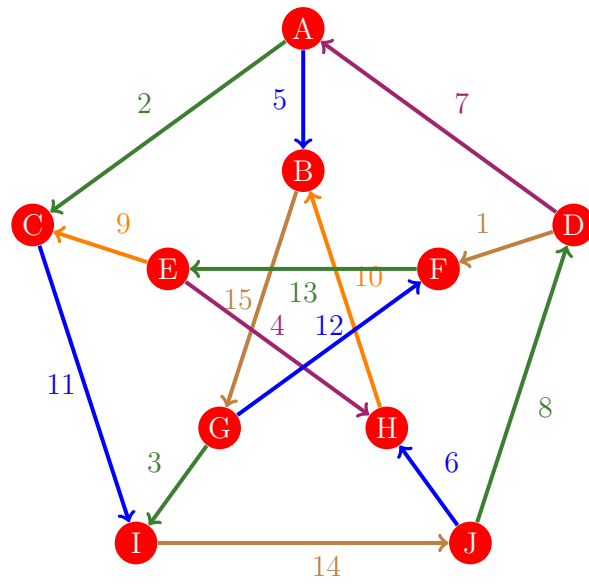


Figura 370: Flujo 362 de la gráfica de Petersen

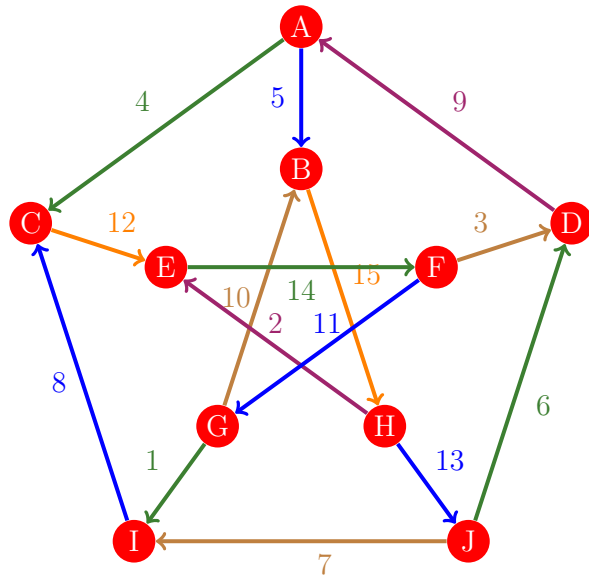


Figura 371: Flujo 363 de la gráfica de Petersen

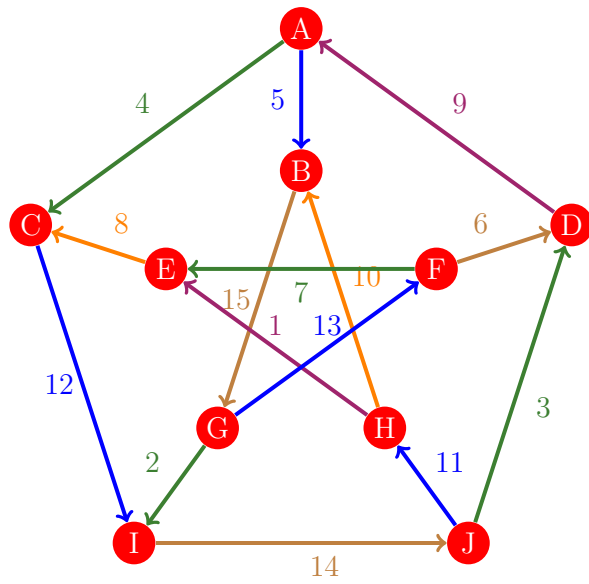


Figura 372: Flujo 364 de la gráfica de Petersen

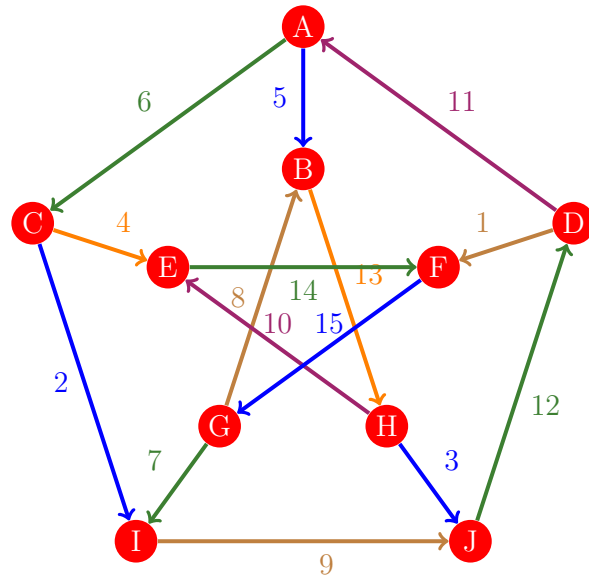


Figura 373: Flujo 365 de la gráfica de Petersen

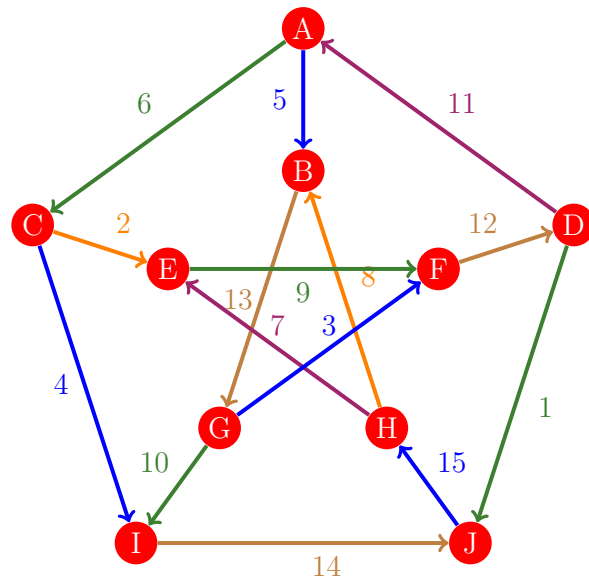


Figura 374: Flujo 366 de la gráfica de Petersen

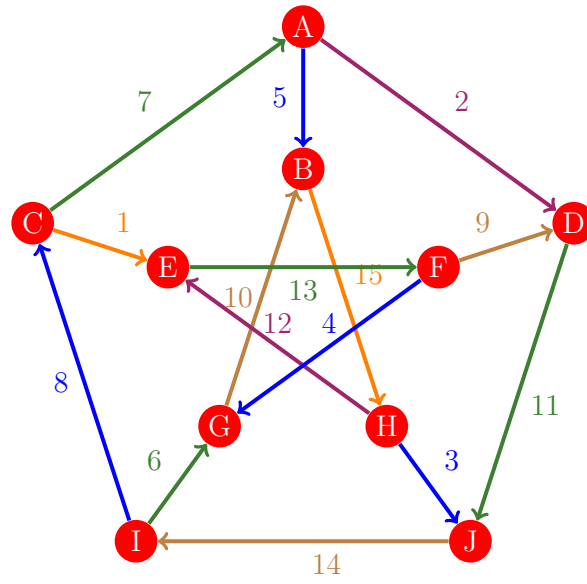


Figura 375: Flujo 367 de la gráfica de Petersen

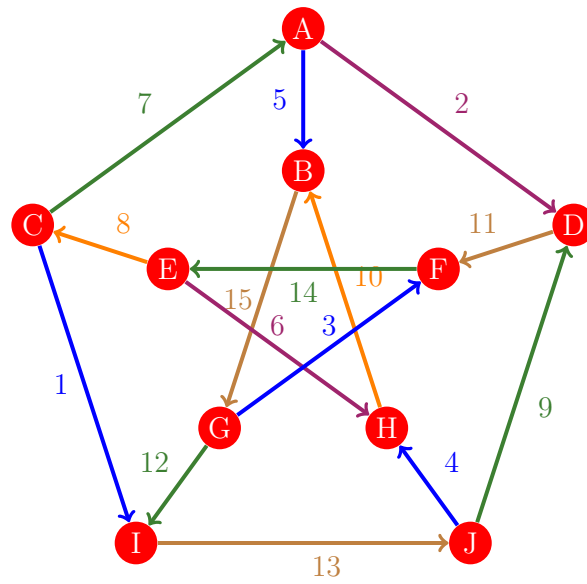


Figura 376: Flujo 368 de la gráfica de Petersen

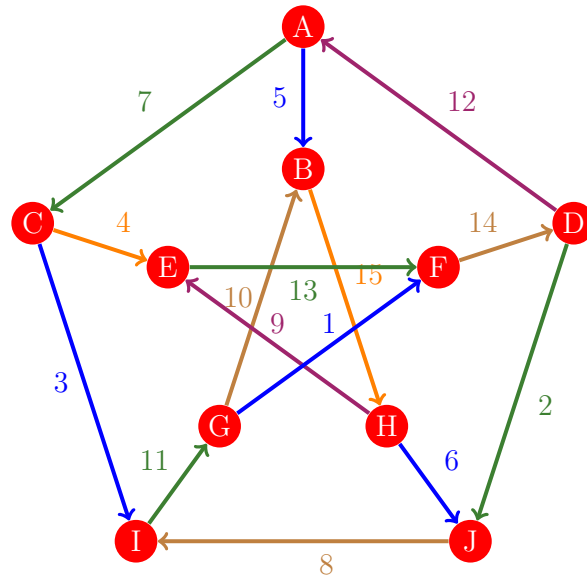


Figura 377: Flujo 369 de la gráfica de Petersen

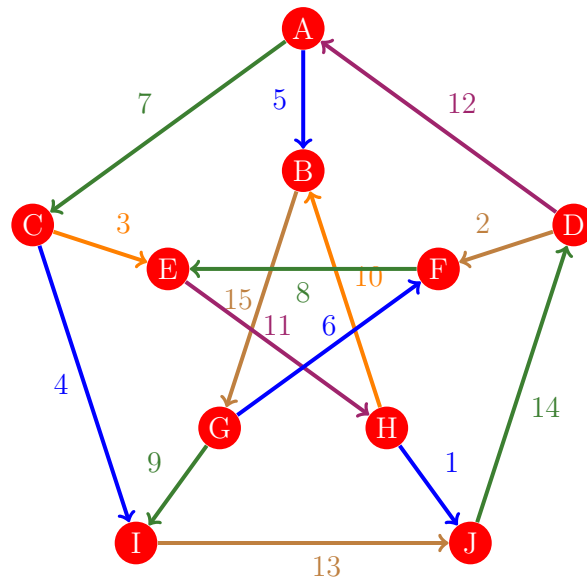


Figura 378: Flujo 370 de la gráfica de Petersen

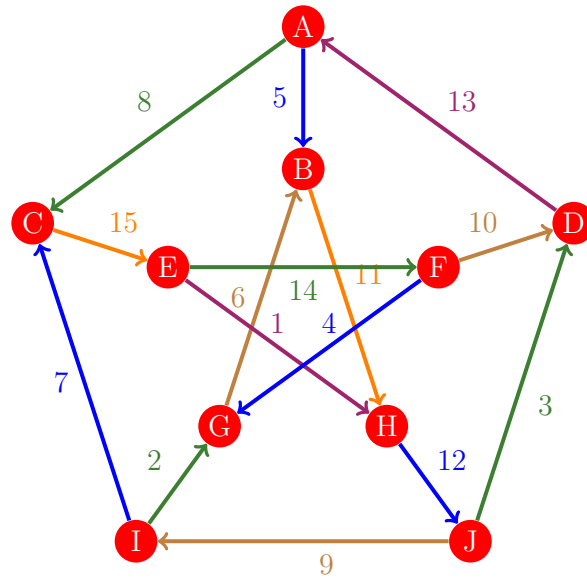


Figura 379: Flujo 371 de la gráfica de Petersen

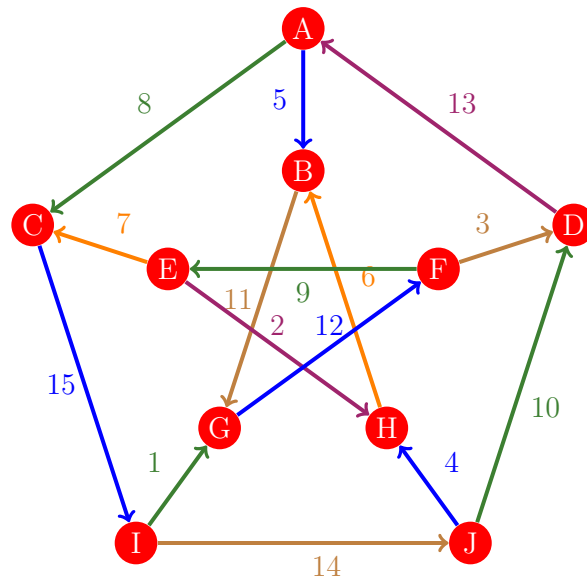


Figura 380: Flujo 372 de la gráfica de Petersen

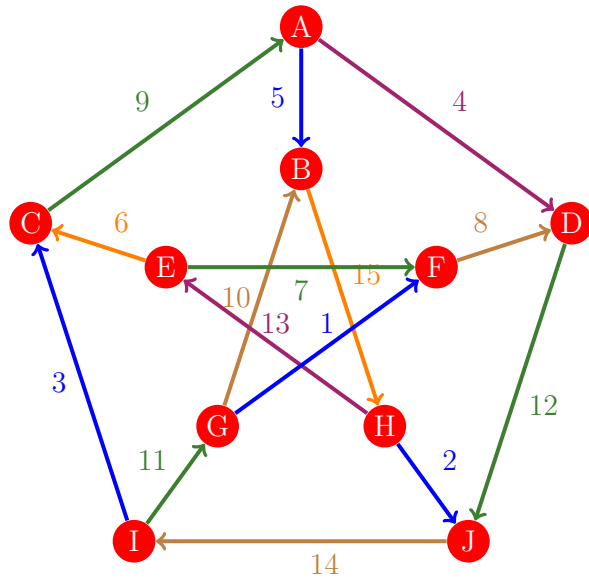


Figura 381: Flujo 373 de la gráfica de Petersen

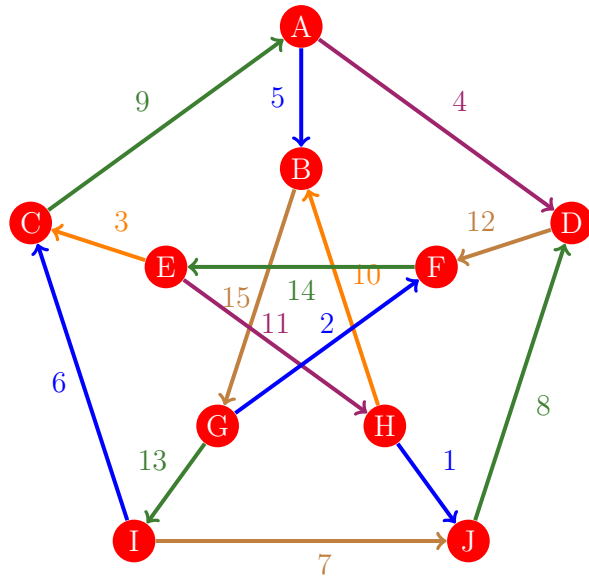


Figura 382: Flujo 374 de la gráfica de Petersen

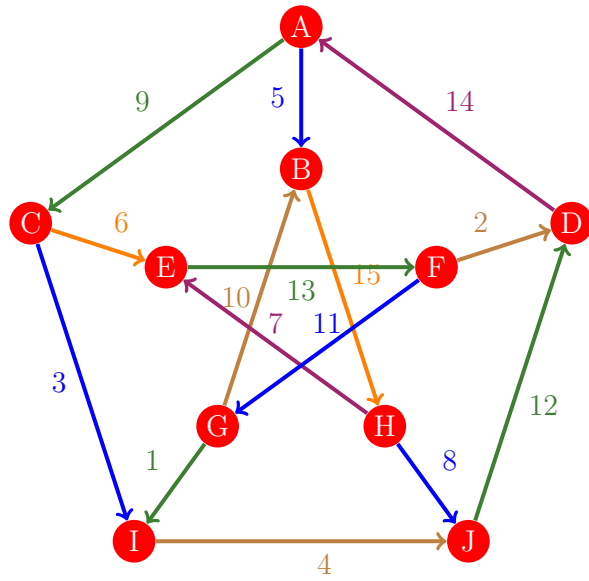


Figura 383: Flujo 375 de la gráfica de Petersen

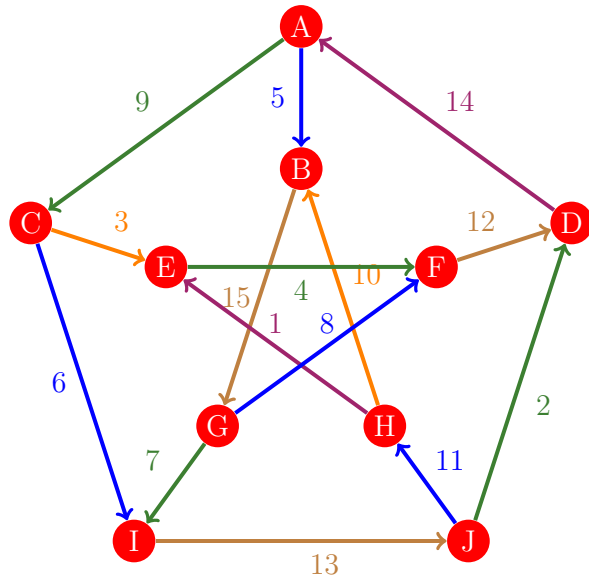


Figura 384: Flujo 376 de la gráfica de Petersen

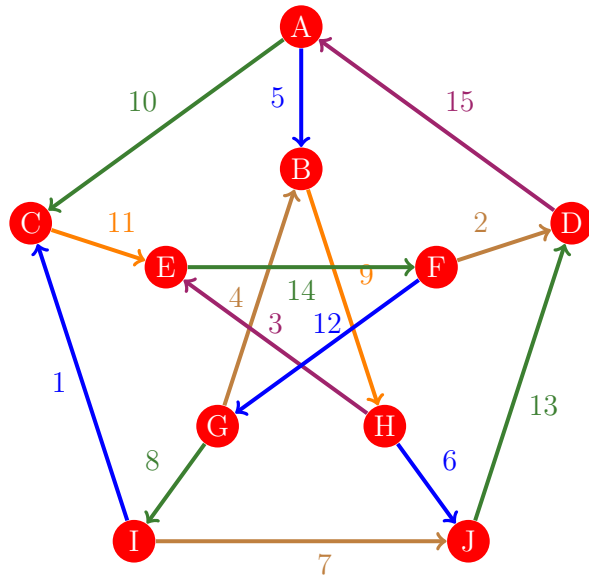


Figura 385: Flujo 377 de la gráfica de Petersen

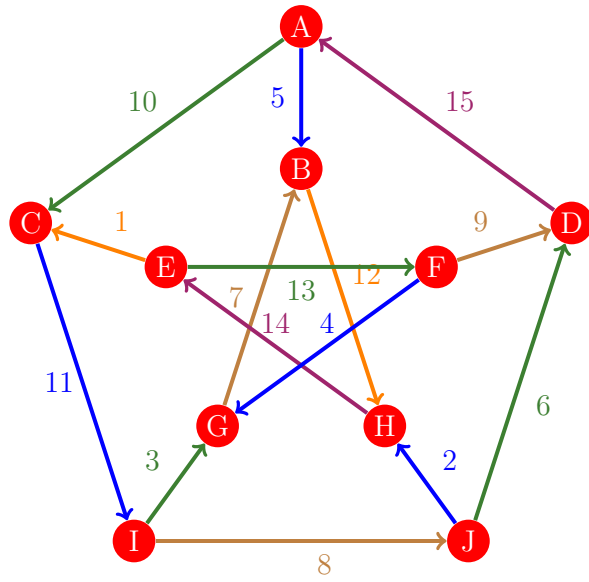


Figura 386: Flujo 378 de la gráfica de Petersen

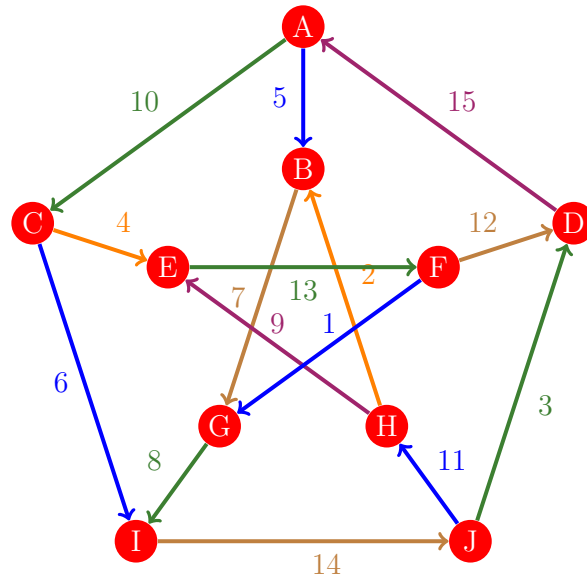


Figura 387: Flujo 379 de la gráfica de Petersen

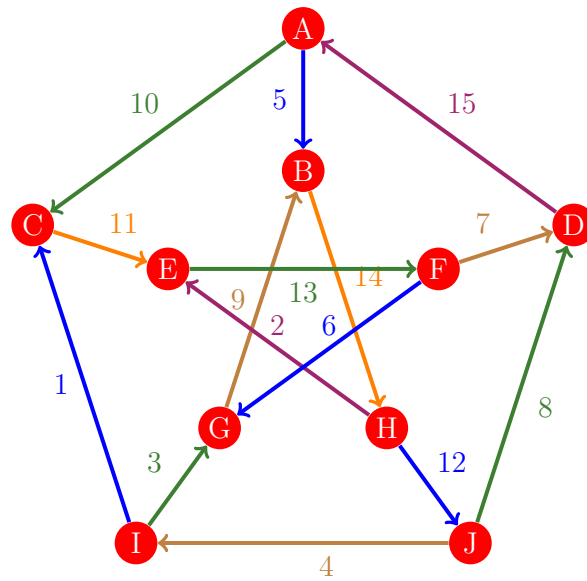


Figura 388: Flujo 380 de la gráfica de Petersen

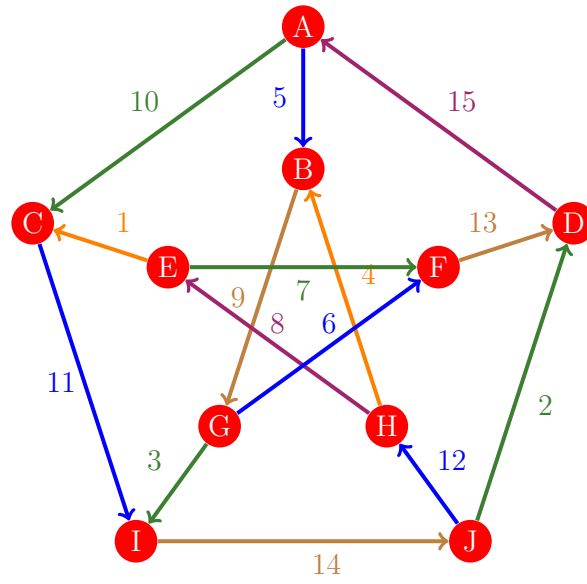


Figura 389: Flujo 381 de la gráfica de Petersen

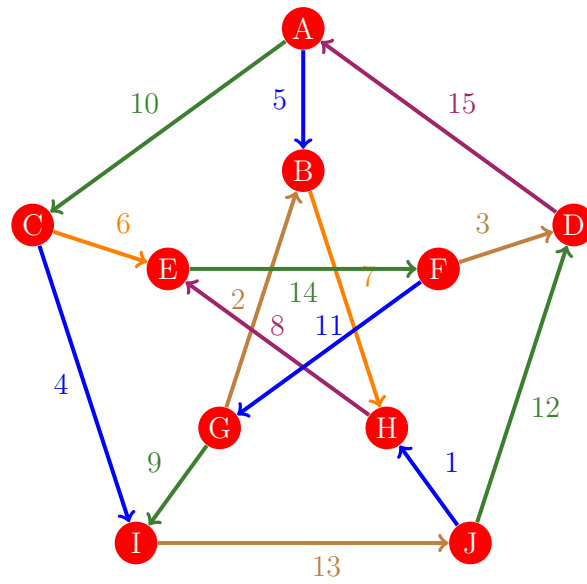


Figura 390: Flujo 382 de la gráfica de Petersen

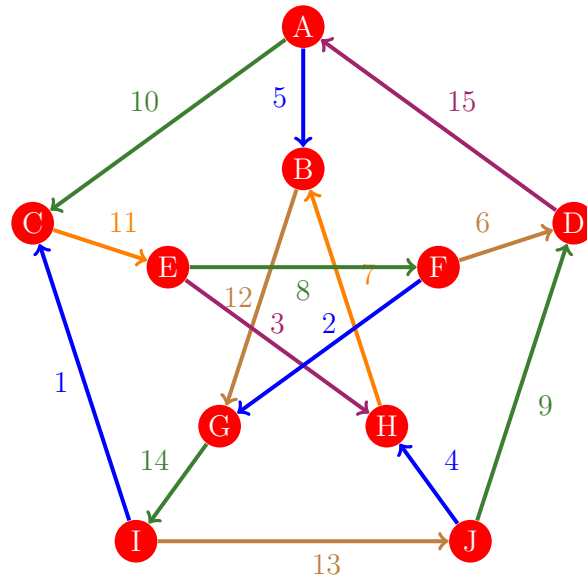


Figura 391: Flujo 383 de la gráfica de Petersen

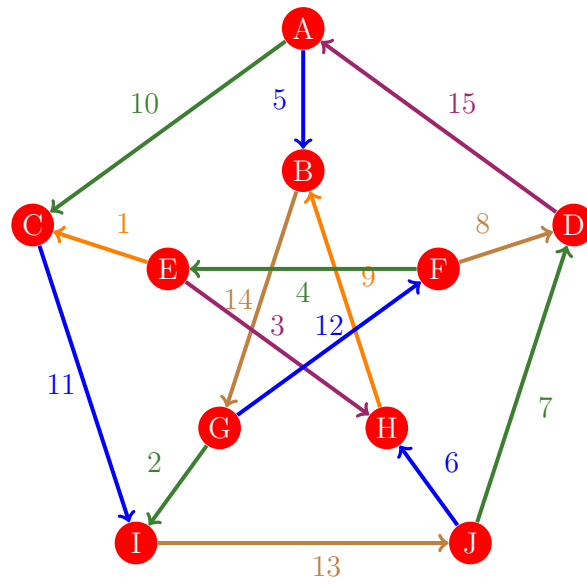


Figura 392: Flujo 384 de la gráfica de Petersen

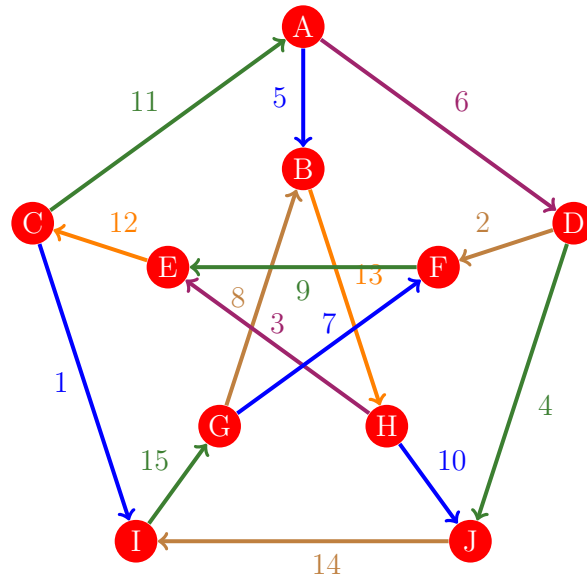


Figura 393: Flujo 385 de la gráfica de Petersen

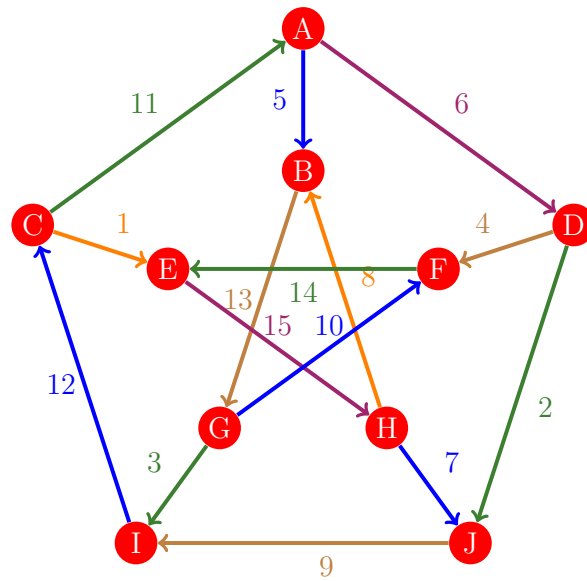


Figura 394: Flujo 386 de la gráfica de Petersen

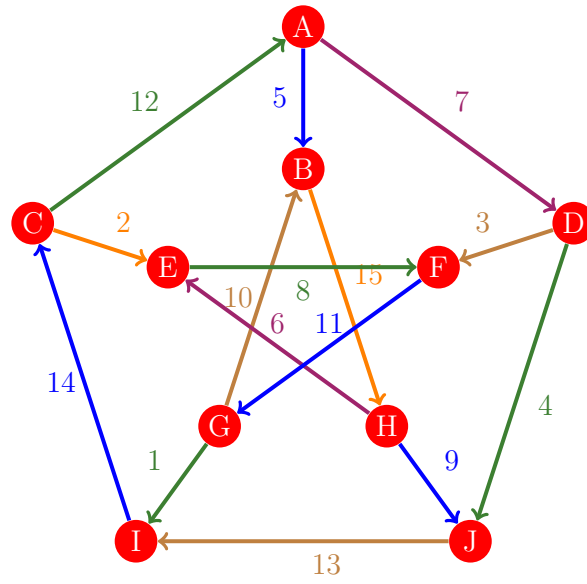


Figura 395: Flujo 387 de la gráfica de Petersen

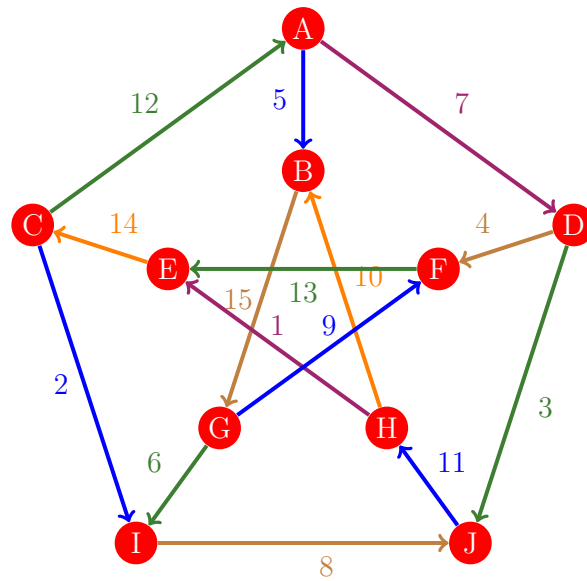


Figura 396: Flujo 388 de la gráfica de Petersen

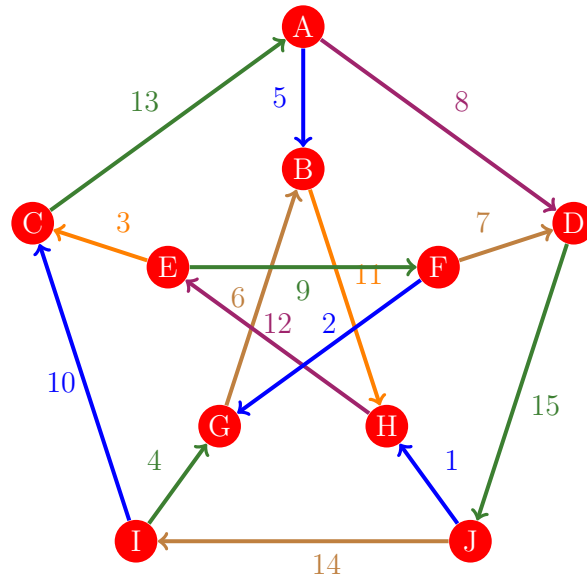


Figura 397: Flujo 389 de la gráfica de Petersen

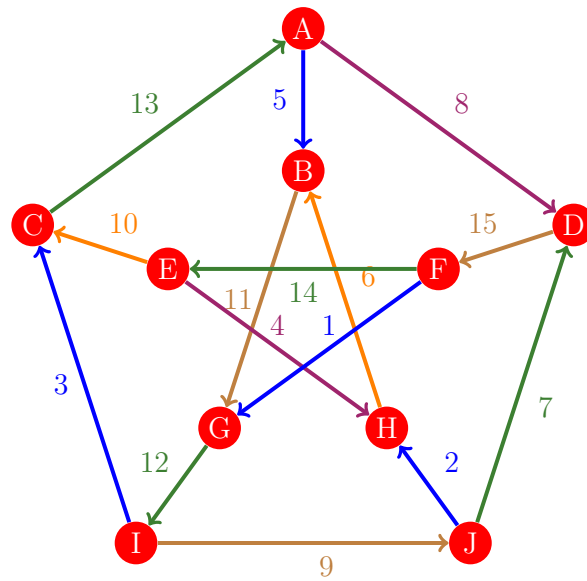


Figura 398: Flujo 390 de la gráfica de Petersen

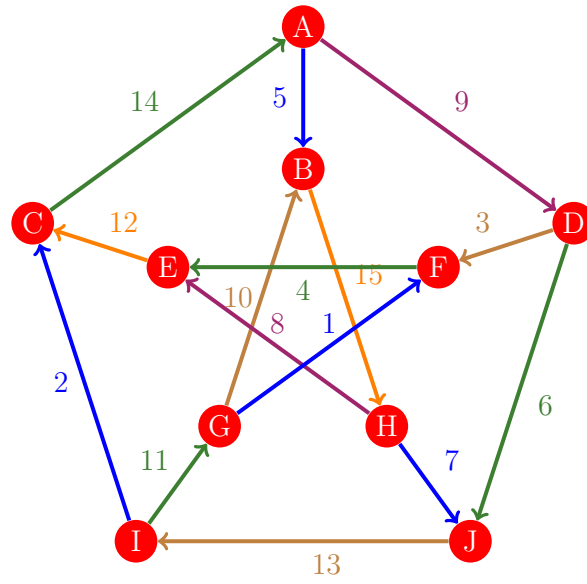


Figura 399: Flujo 391 de la gráfica de Petersen

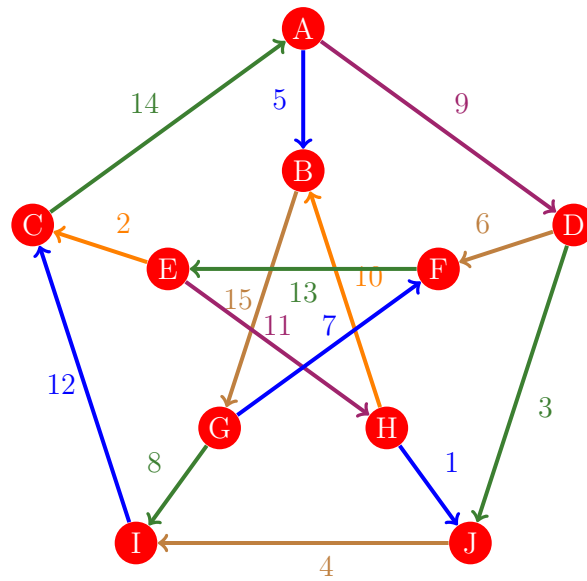


Figura 400: Flujo 392 de la gráfica de Petersen

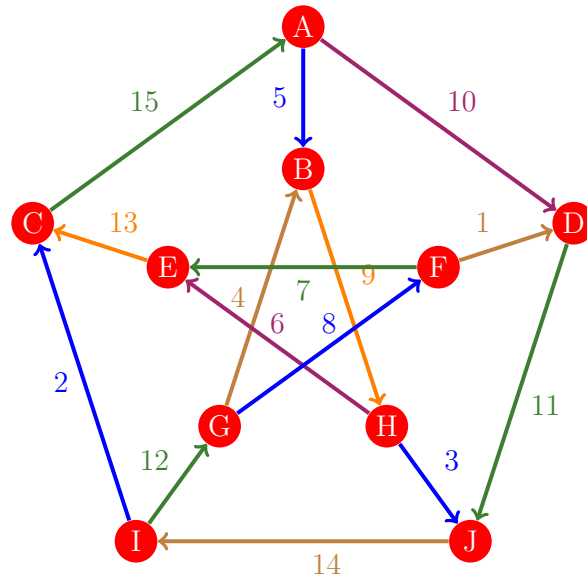


Figura 401: Flujo 393 de la gráfica de Petersen

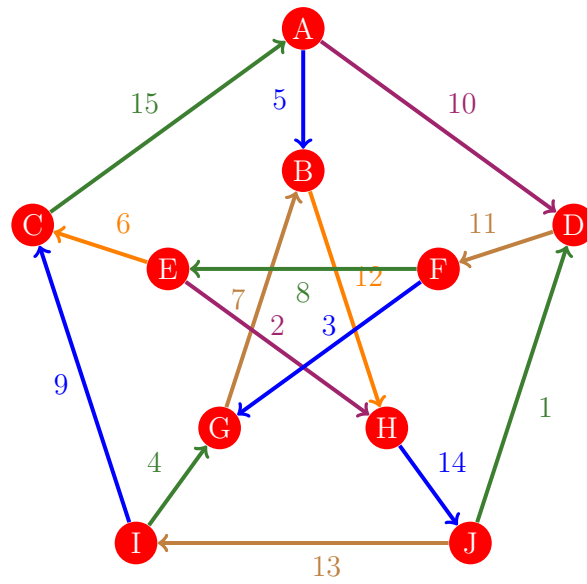


Figura 402: Flujo 394 de la gráfica de Petersen

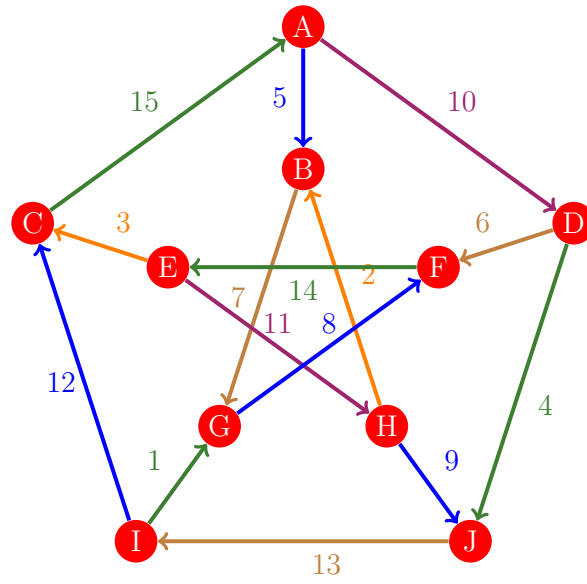


Figura 403: Flujo 395 de la gráfica de Petersen

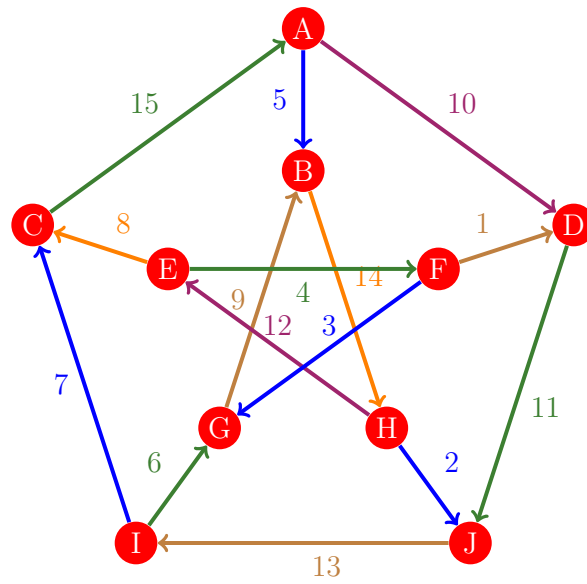


Figura 404: Flujo 396 de la gráfica de Petersen

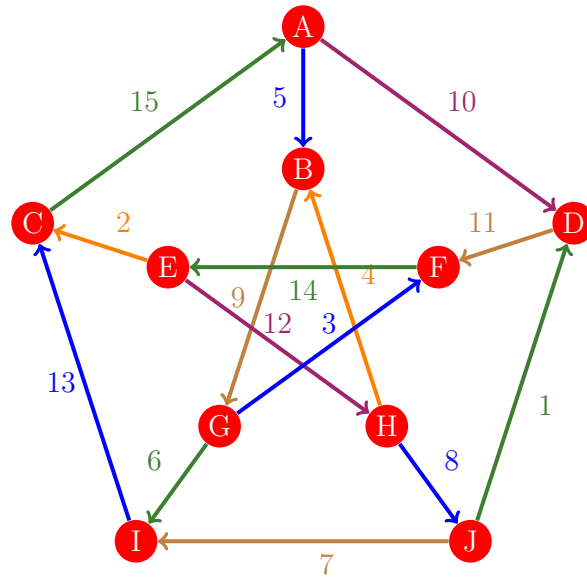


Figura 405: Flujo 397 de la gráfica de Petersen

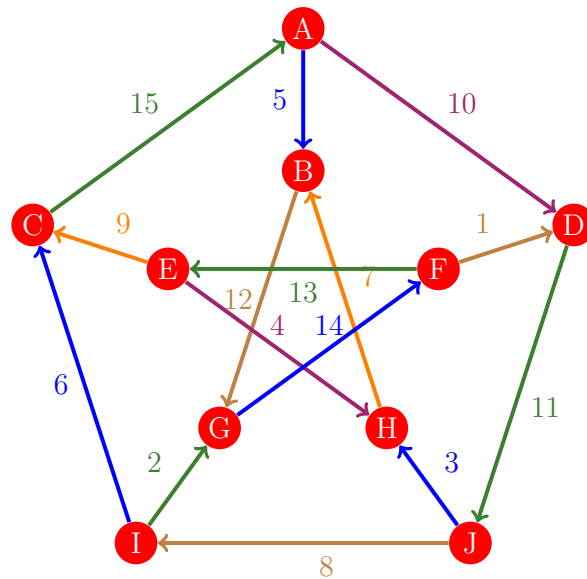


Figura 406: Flujo 398 de la gráfica de Petersen

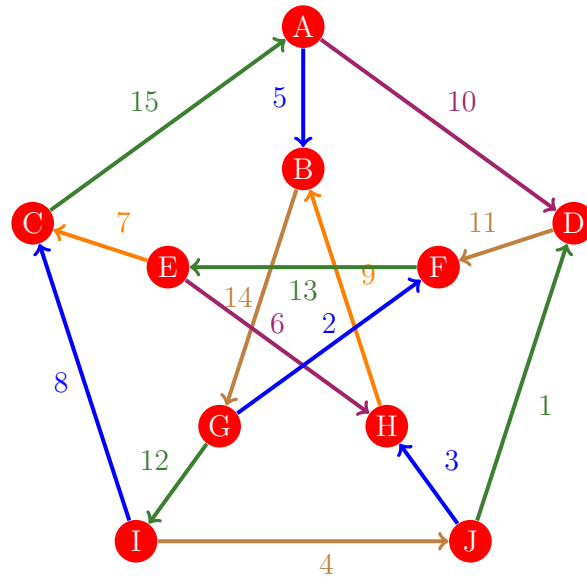


Figura 407: Flujo 399 de la gráfica de Petersen

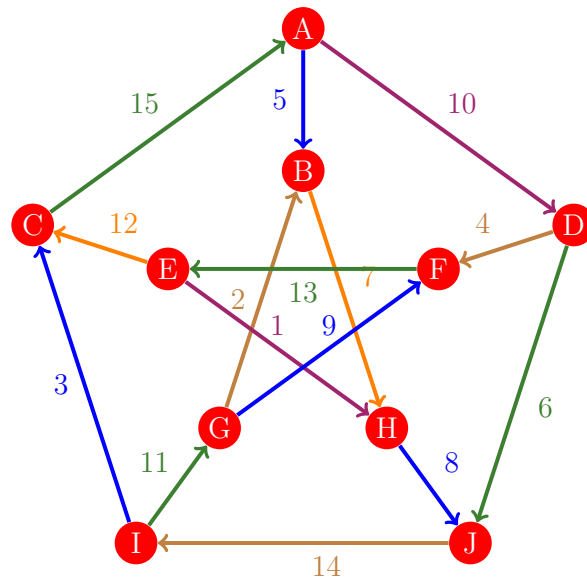


Figura 408: Flujo 400 de la gráfica de Petersen

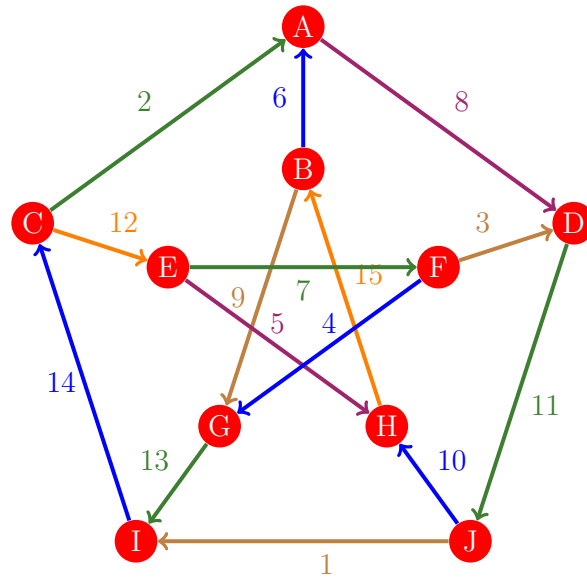


Figura 409: Flujo 401 de la gráfica de Petersen

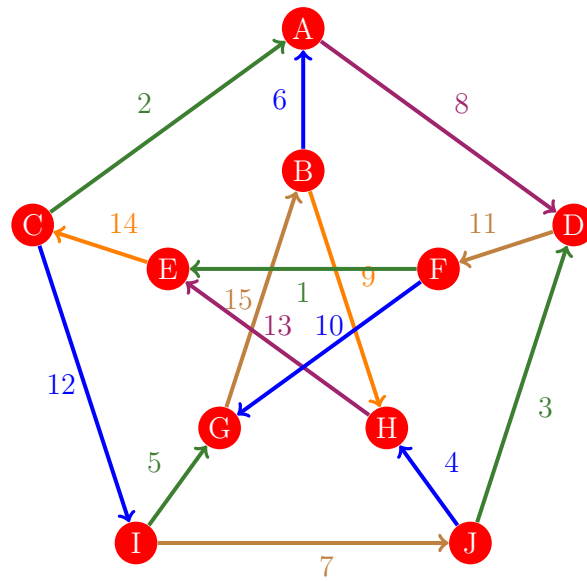


Figura 410: Flujo 402 de la gráfica de Petersen

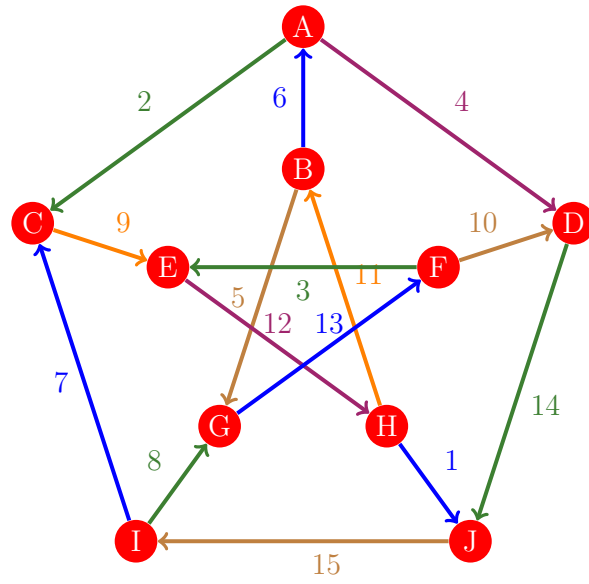


Figura 411: Flujo 403 de la gráfica de Petersen

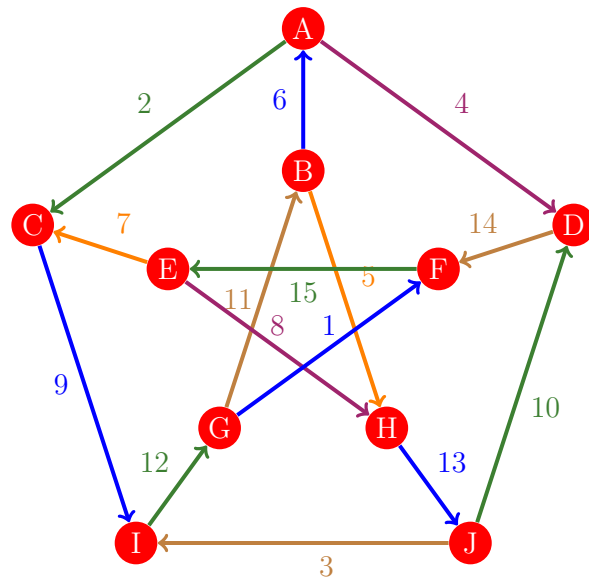


Figura 412: Flujo 404 de la gráfica de Petersen

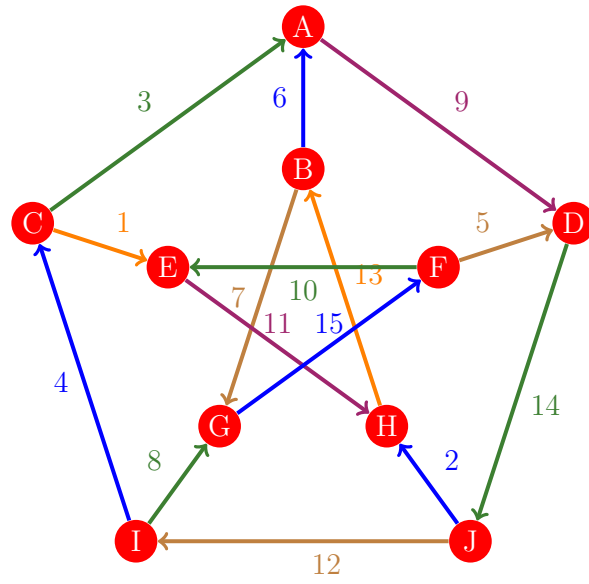


Figura 413: Flujo 405 de la gráfica de Petersen

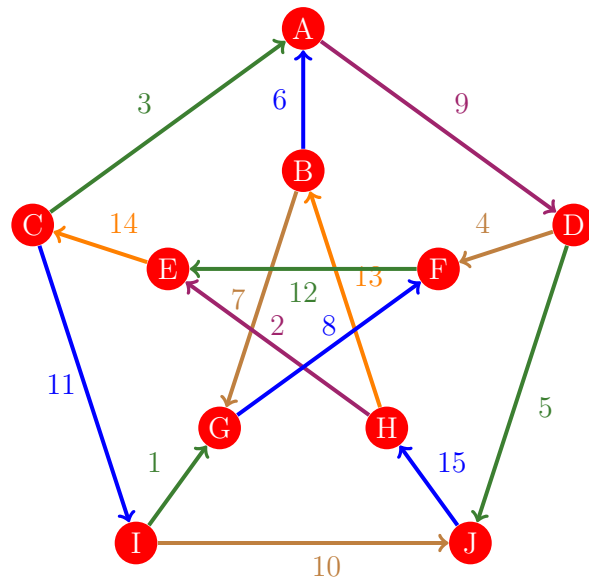


Figura 414: Flujo 406 de la gráfica de Petersen

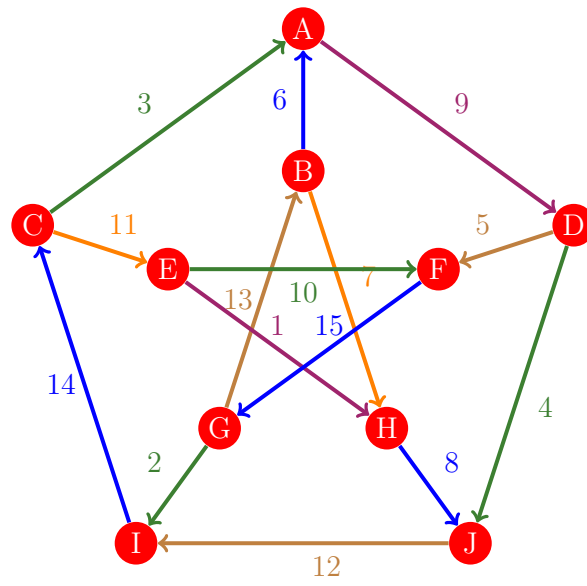


Figura 415: Flujo 407 de la gráfica de Petersen

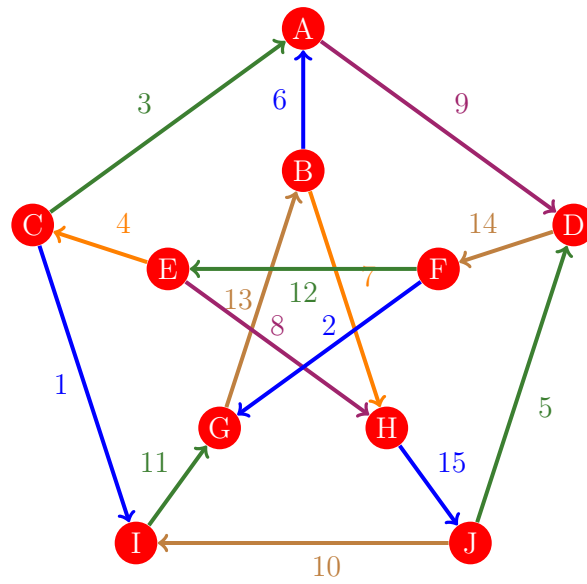


Figura 416: Flujo 408 de la gráfica de Petersen

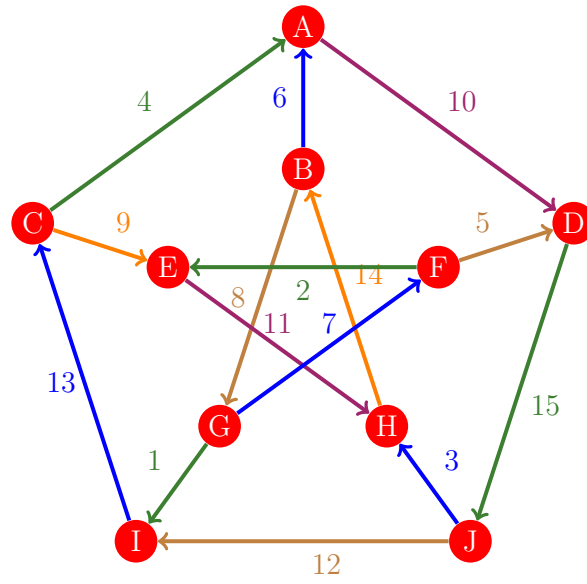


Figura 417: Flujo 409 de la gráfica de Petersen

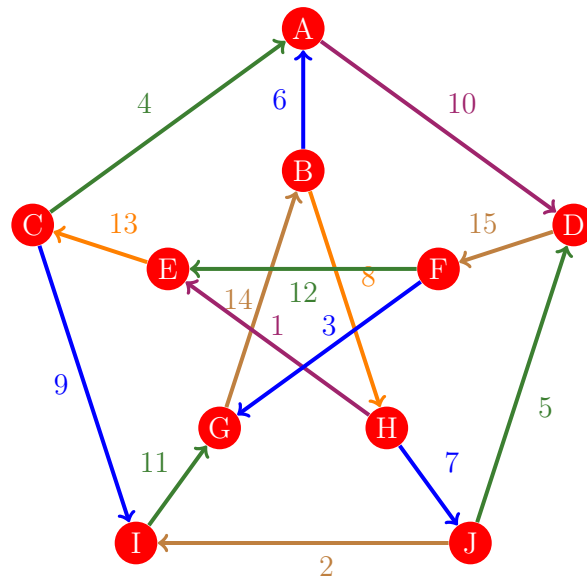


Figura 418: Flujo 410 de la gráfica de Petersen

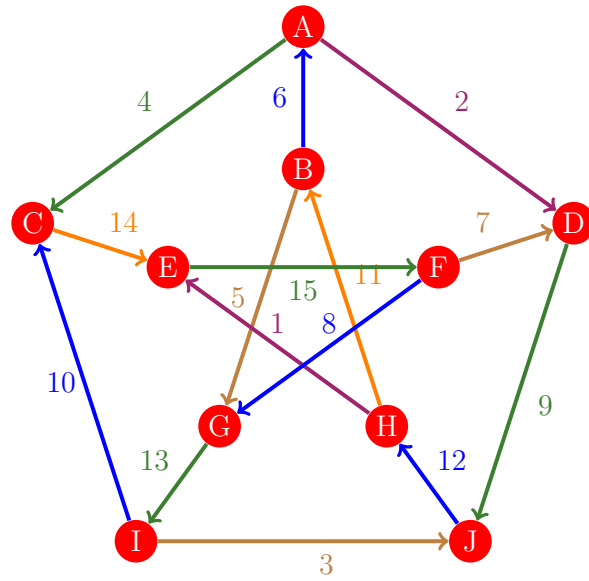


Figura 419: Flujo 411 de la gráfica de Petersen

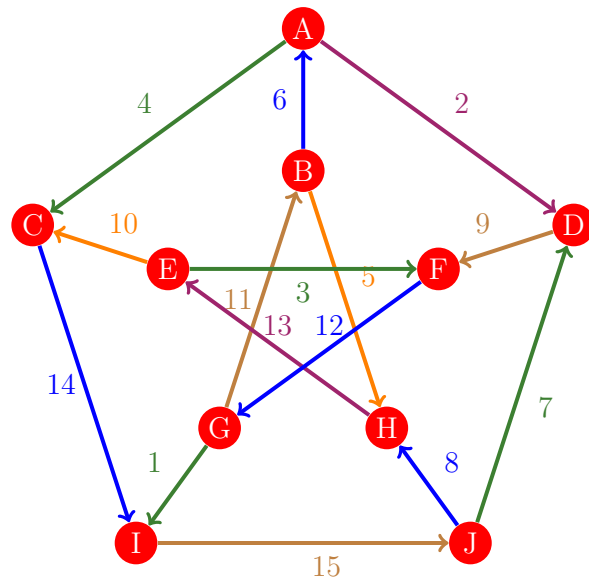


Figura 420: Flujo 412 de la gráfica de Petersen

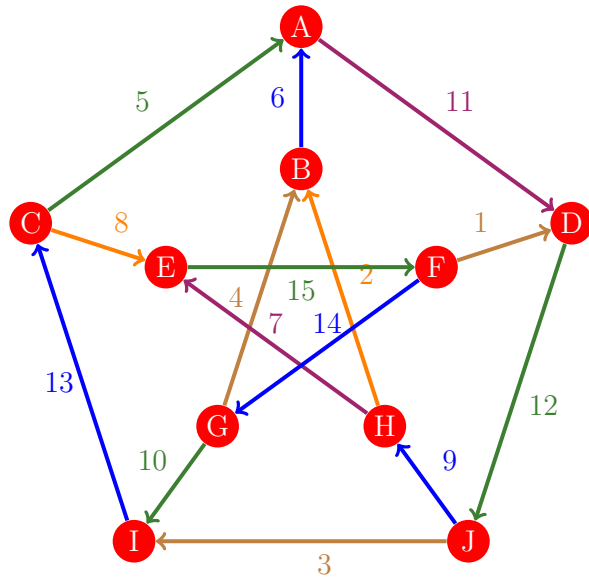


Figura 421: Flujo 413 de la gráfica de Petersen

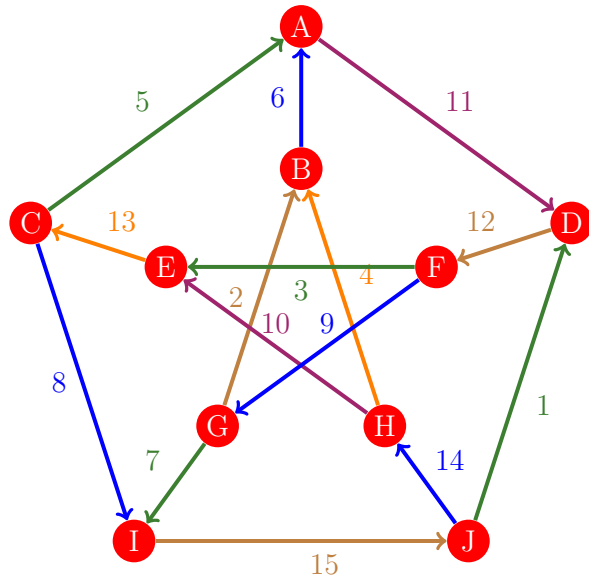


Figura 422: Flujo 414 de la gráfica de Petersen

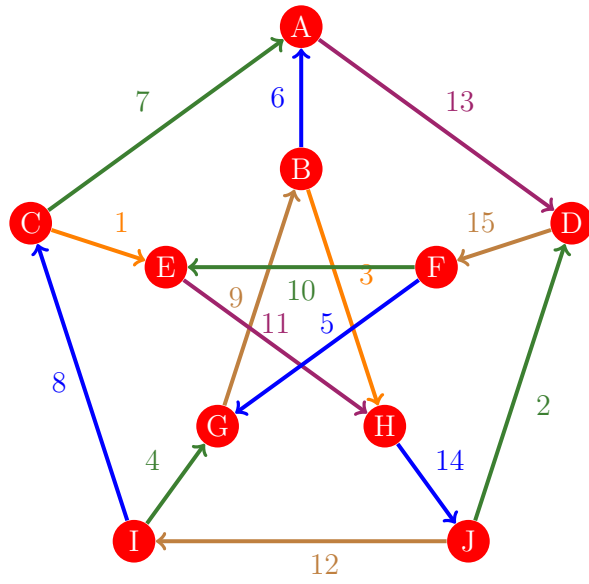


Figura 423: Flujo 415 de la gráfica de Petersen

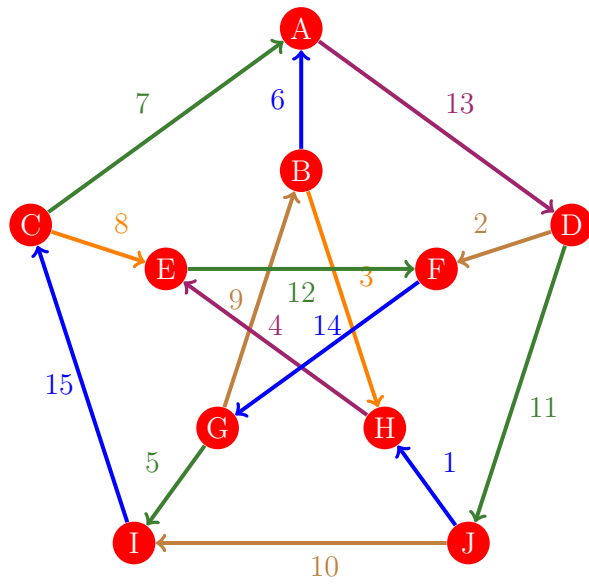


Figura 424: Flujo 416 de la gráfica de Petersen

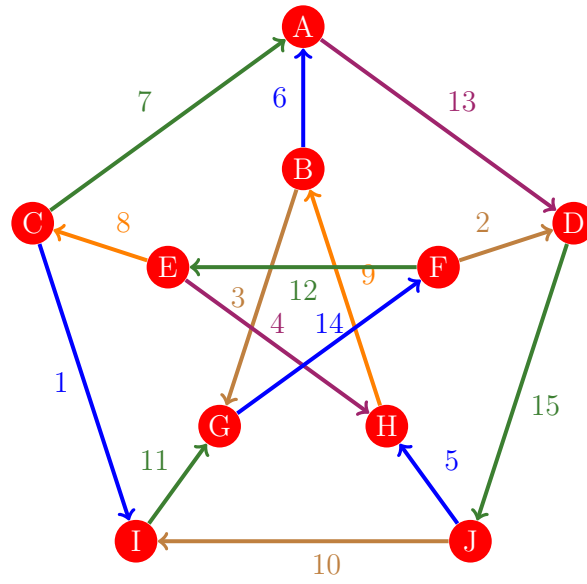


Figura 425: Flujo 417 de la gráfica de Petersen

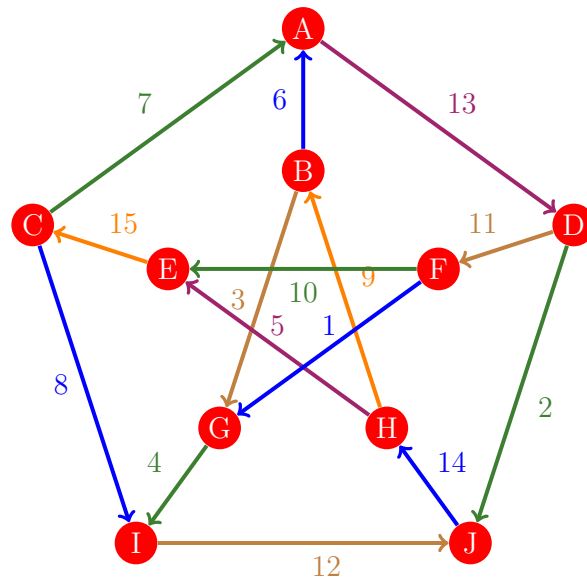


Figura 426: Flujo 418 de la gráfica de Petersen

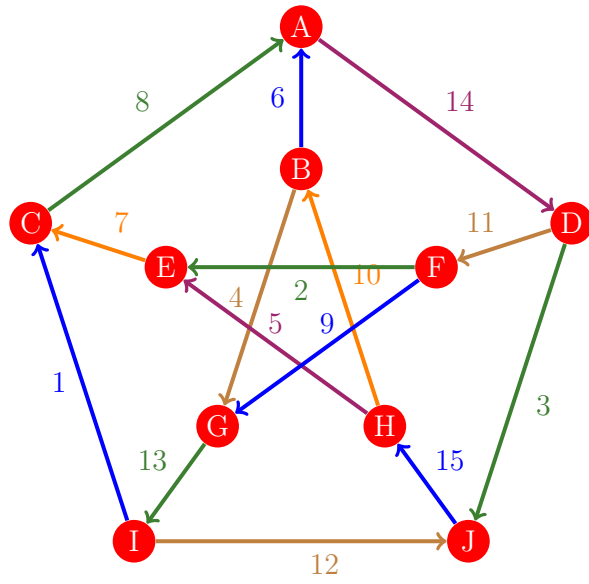


Figura 427: Flujo 419 de la gráfica de Petersen

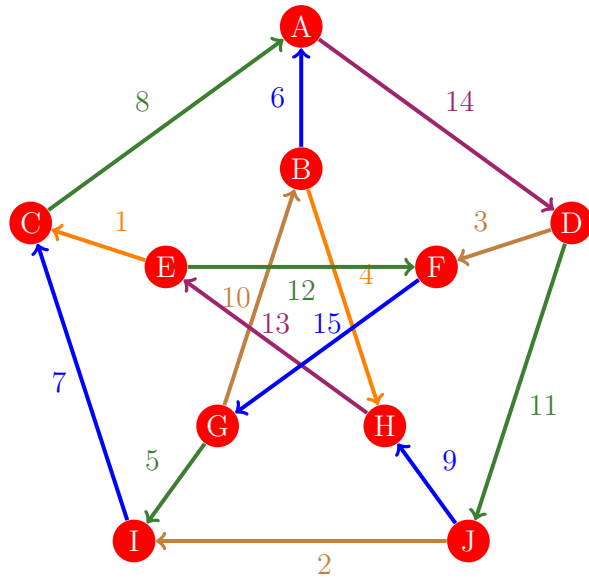


Figura 428: Flujo 420 de la gráfica de Petersen

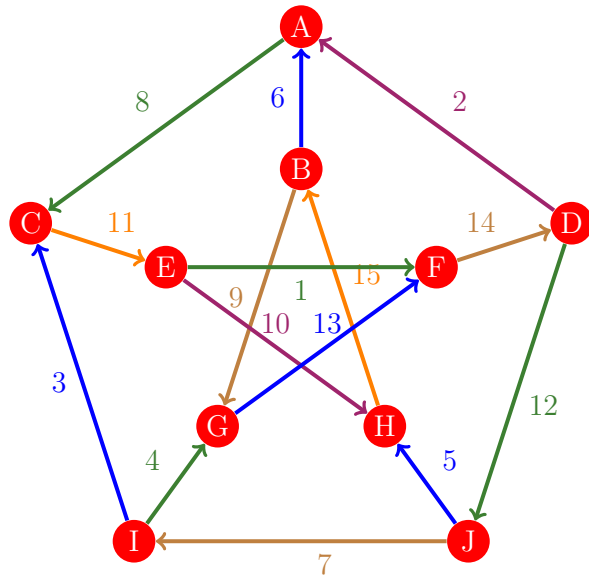


Figura 429: Flujo 421 de la gráfica de Petersen

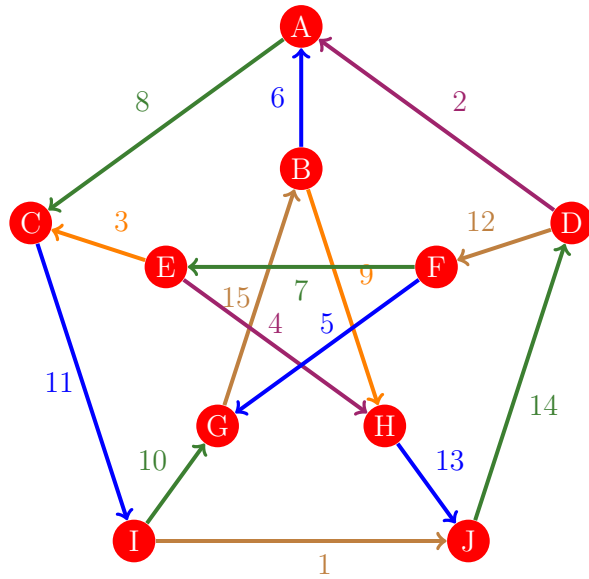


Figura 430: Flujo 422 de la gráfica de Petersen

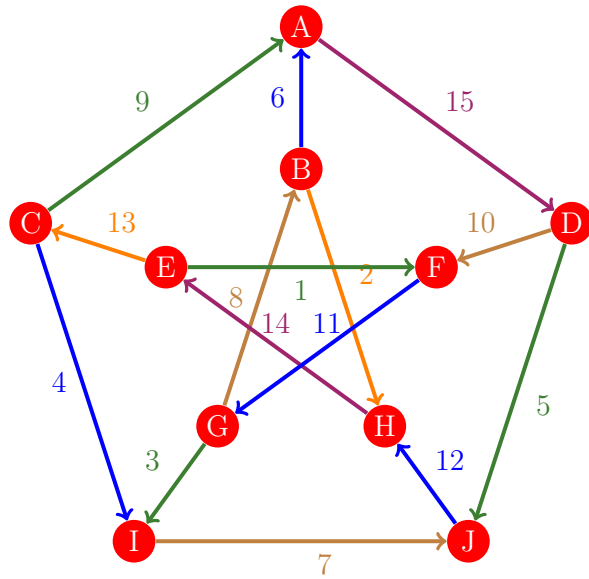


Figura 431: Flujo 423 de la gráfica de Petersen

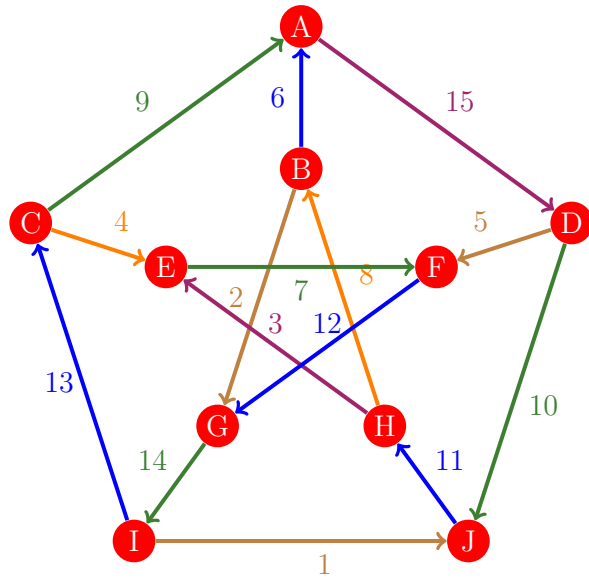


Figura 432: Flujo 424 de la gráfica de Petersen

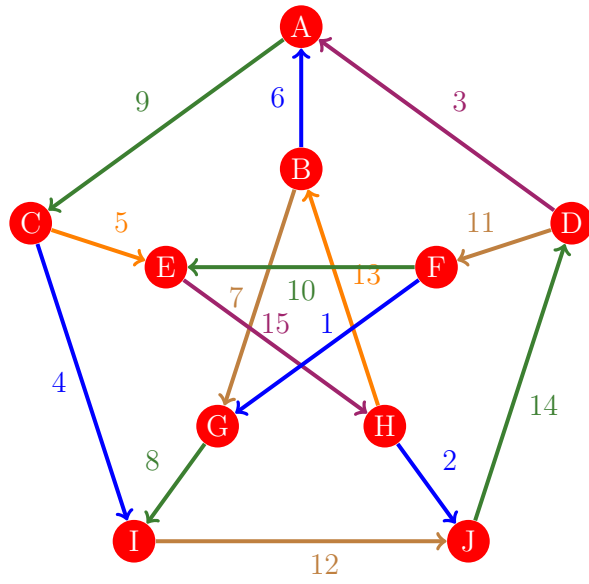


Figura 433: Flujo 425 de la gráfica de Petersen

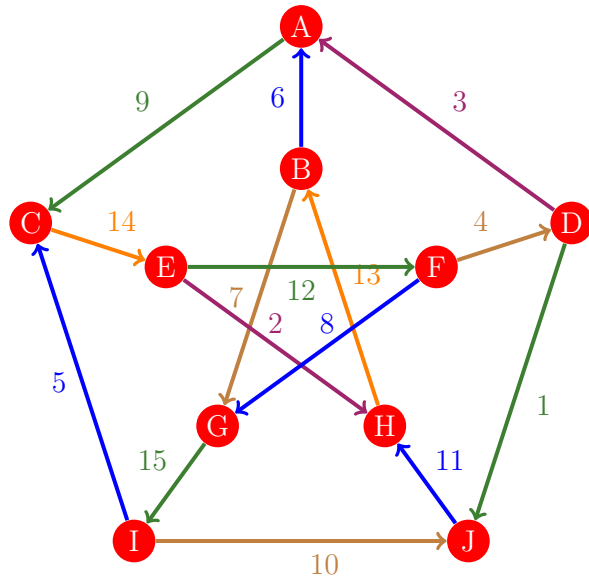


Figura 434: Flujo 426 de la gráfica de Petersen

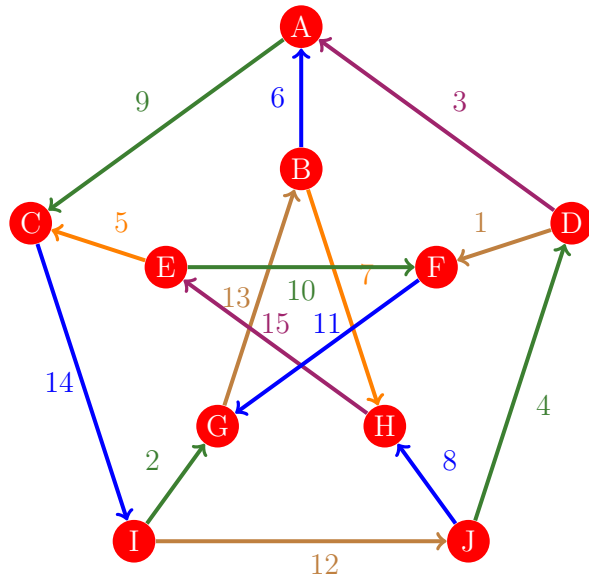


Figura 435: Flujo 427 de la gráfica de Petersen

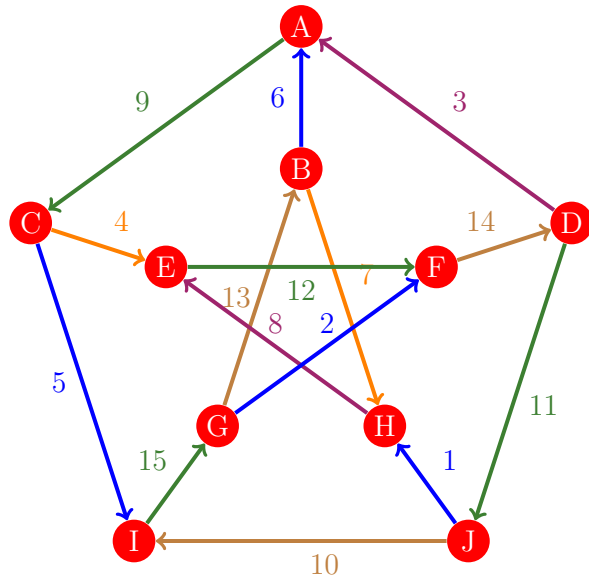


Figura 436: Flujo 428 de la gráfica de Petersen

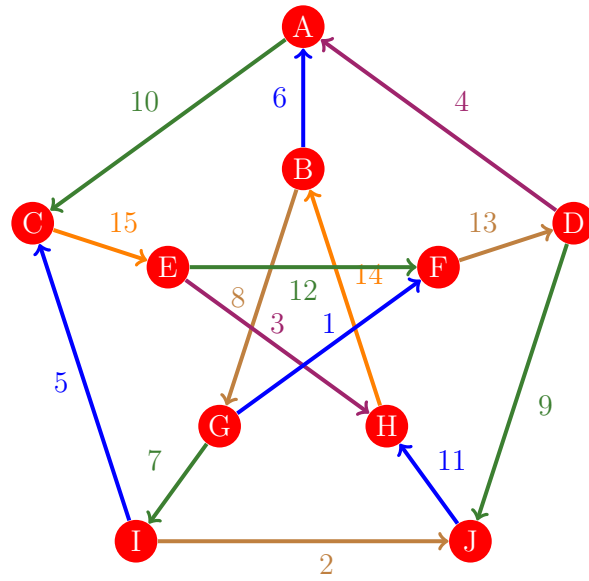


Figura 437: Flujo 429 de la gráfica de Petersen

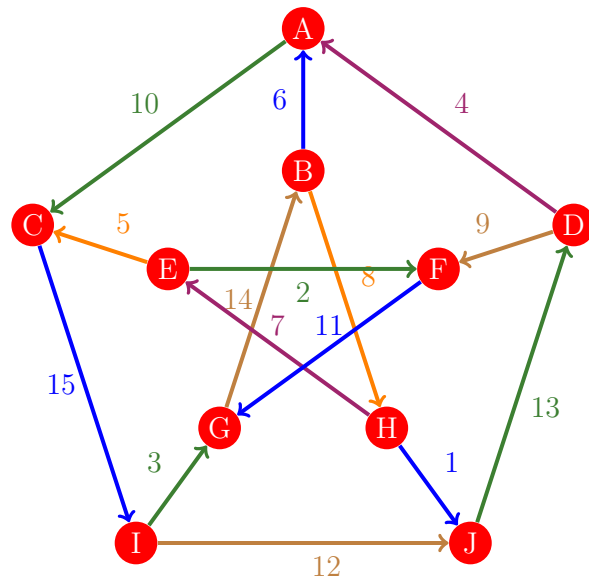


Figura 438: Flujo 430 de la gráfica de Petersen

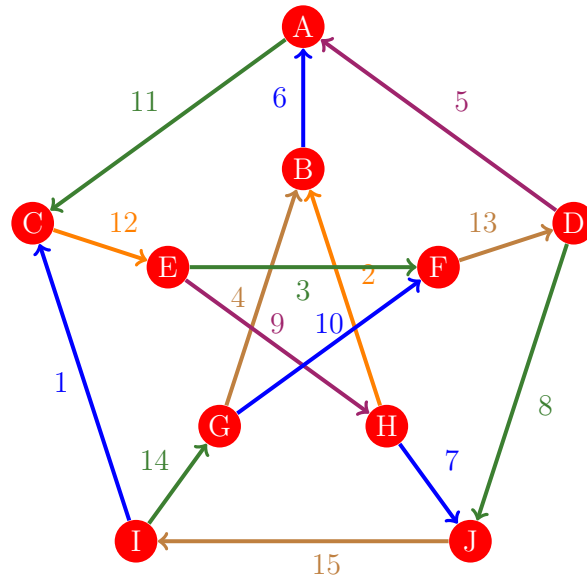


Figura 439: Flujo 431 de la gráfica de Petersen

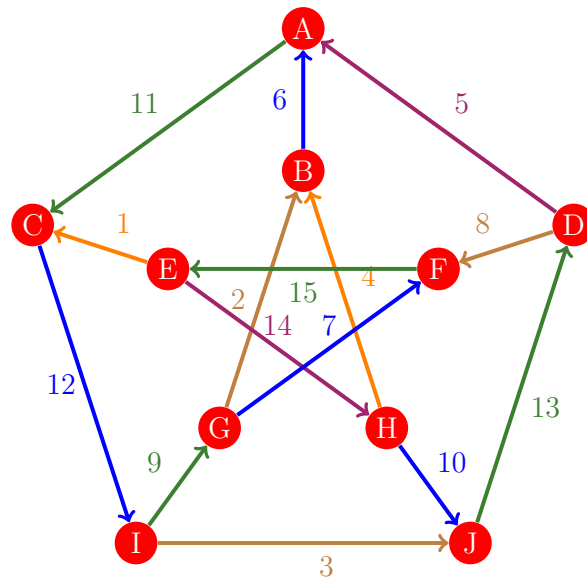


Figura 440: Flujo 432 de la gráfica de Petersen

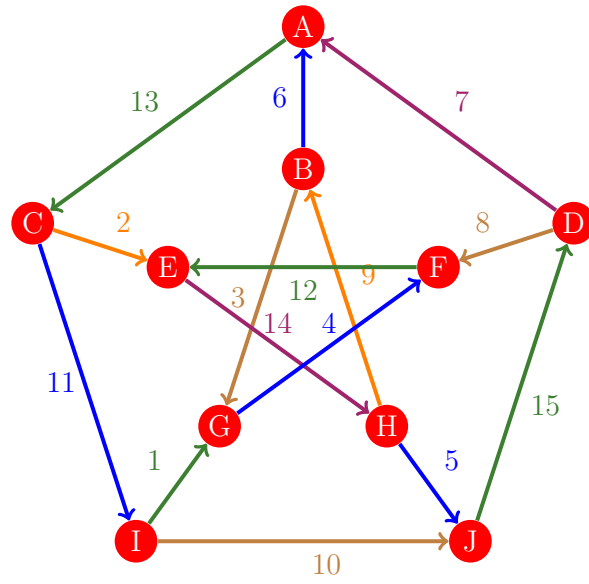


Figura 441: Flujo 433 de la gráfica de Petersen

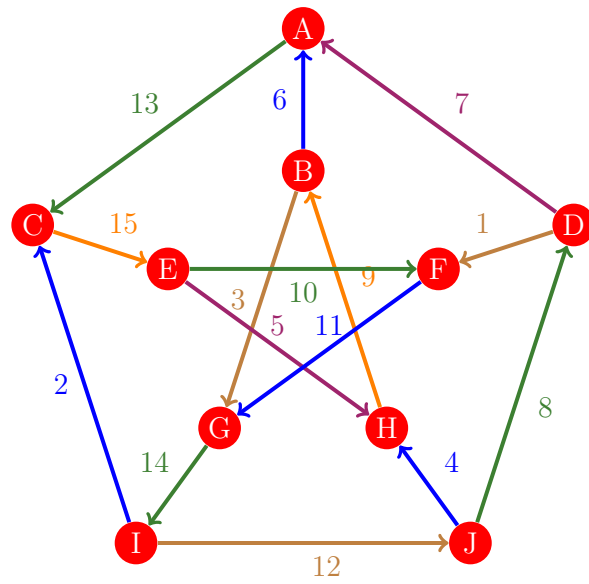


Figura 442: Flujo 434 de la gráfica de Petersen

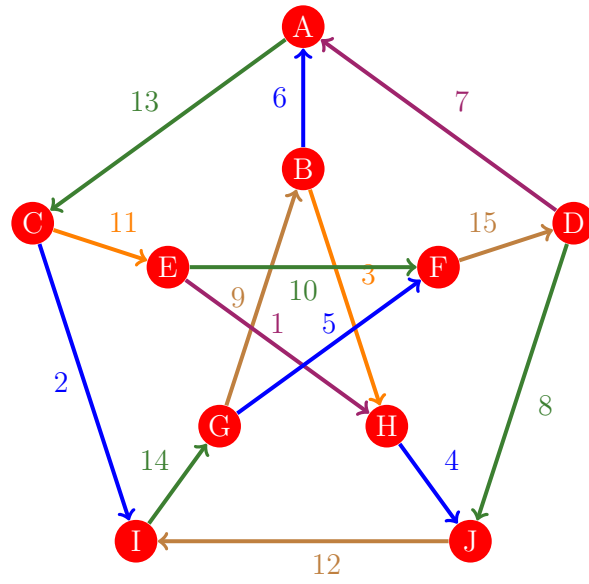


Figura 443: Flujo 435 de la gráfica de Petersen

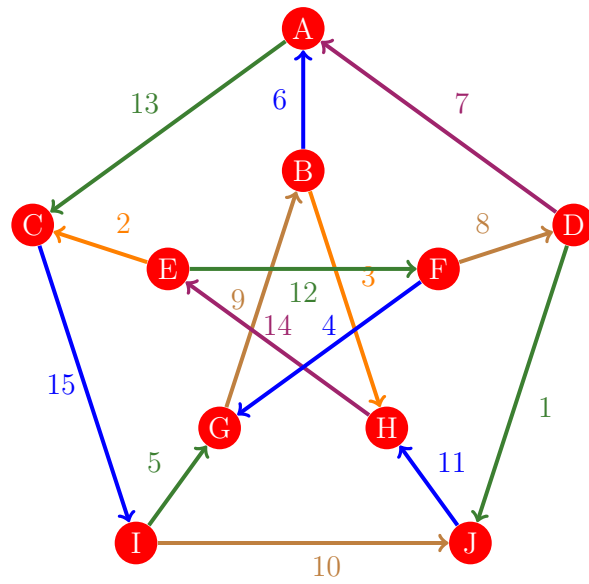


Figura 444: Flujo 436 de la gráfica de Petersen

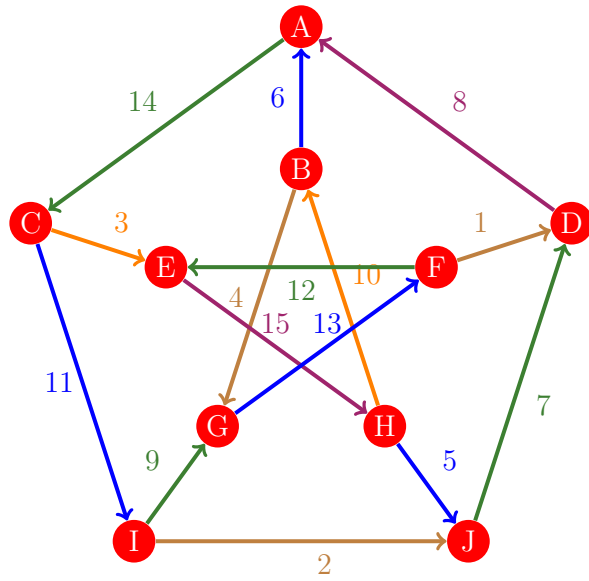


Figura 445: Flujo 437 de la gráfica de Petersen

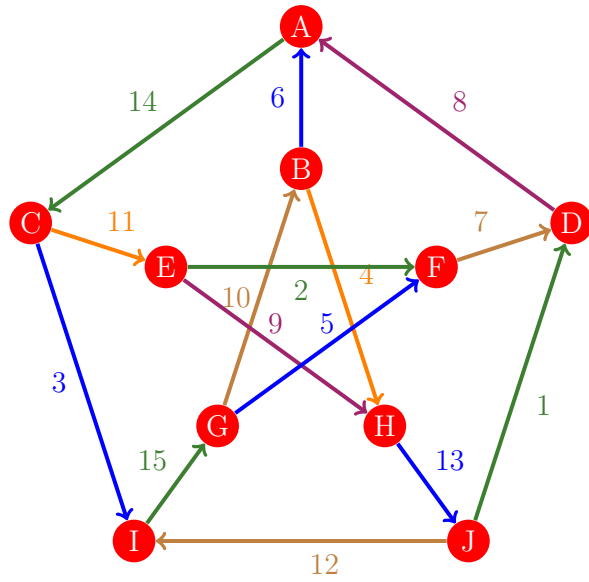


Figura 446: Flujo 438 de la gráfica de Petersen

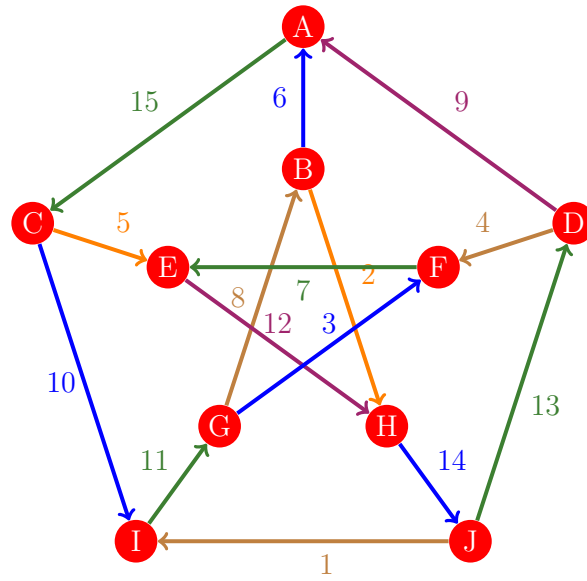


Figura 447: Flujo 439 de la gráfica de Petersen

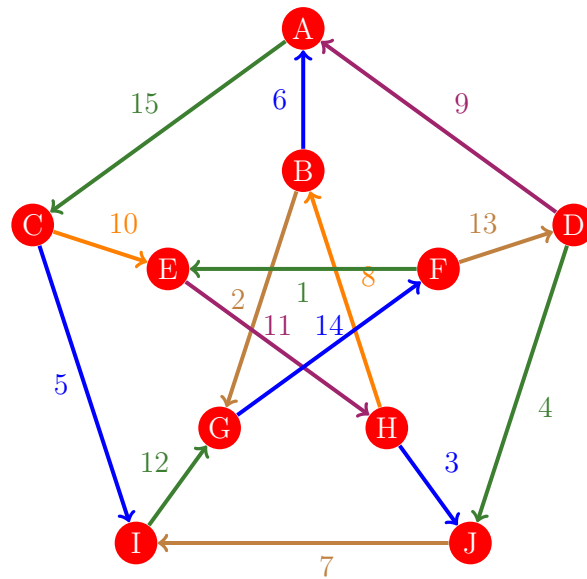


Figura 448: Flujo 440 de la gráfica de Petersen

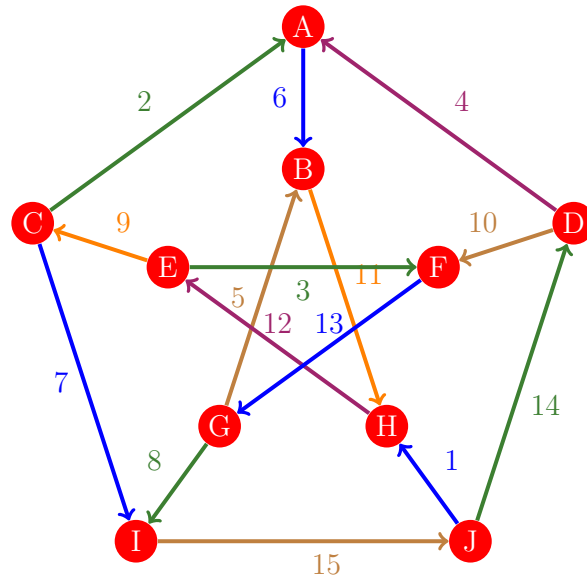


Figura 449: Flujo 441 de la gráfica de Petersen

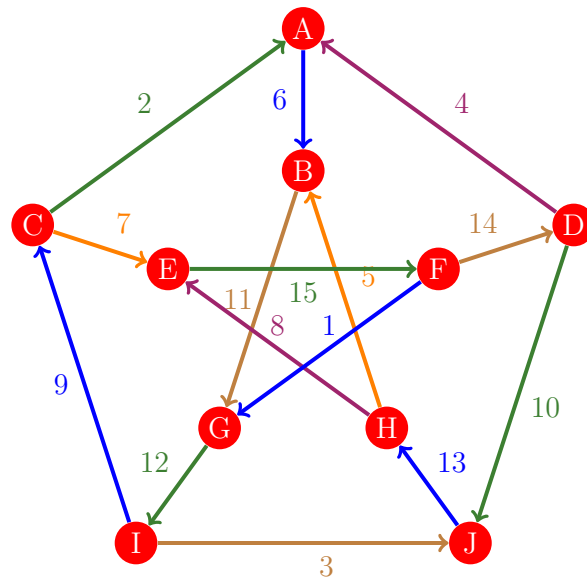


Figura 450: Flujo 442 de la gráfica de Petersen

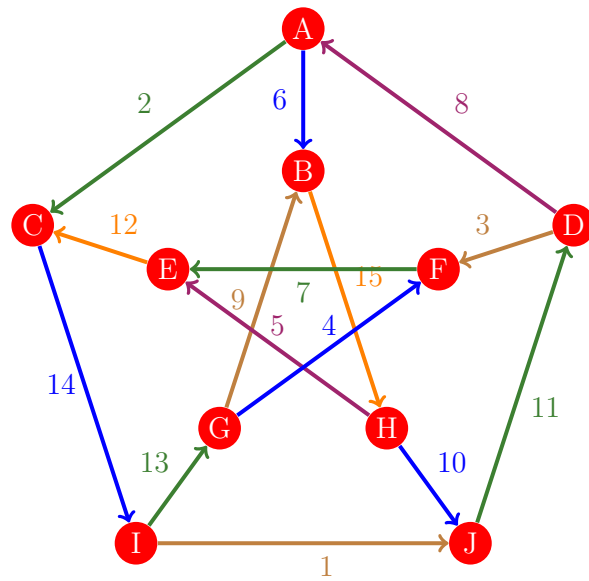


Figura 451: Flujo 443 de la gráfica de Petersen

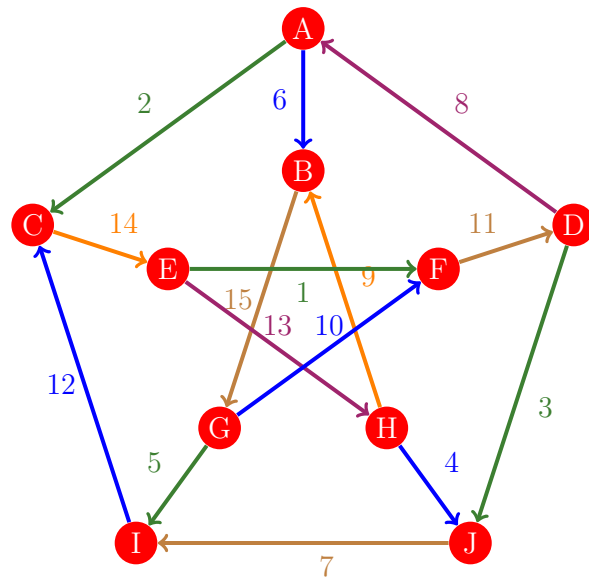


Figura 452: Flujo 444 de la gráfica de Petersen

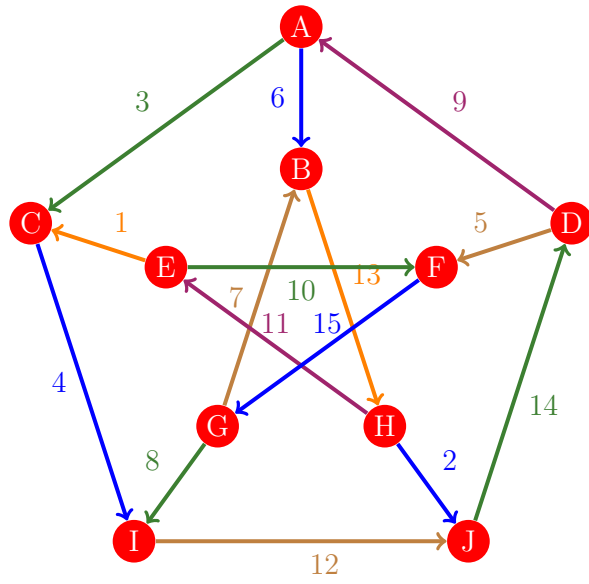


Figura 453: Flujo 445 de la gráfica de Petersen

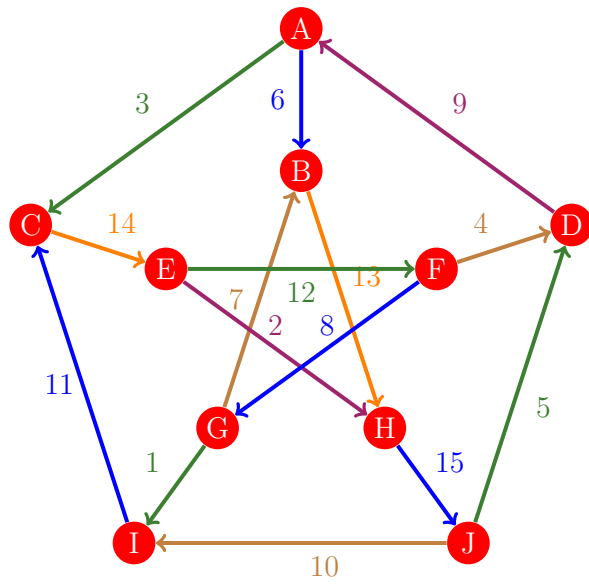


Figura 454: Flujo 446 de la gráfica de Petersen

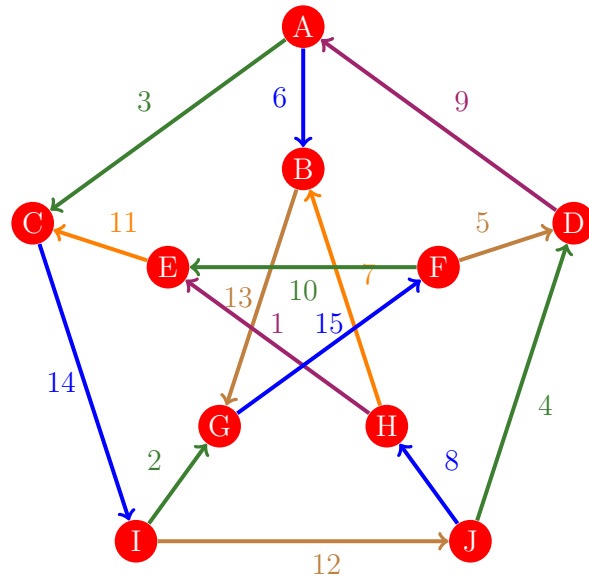


Figura 455: Flujo 447 de la gráfica de Petersen

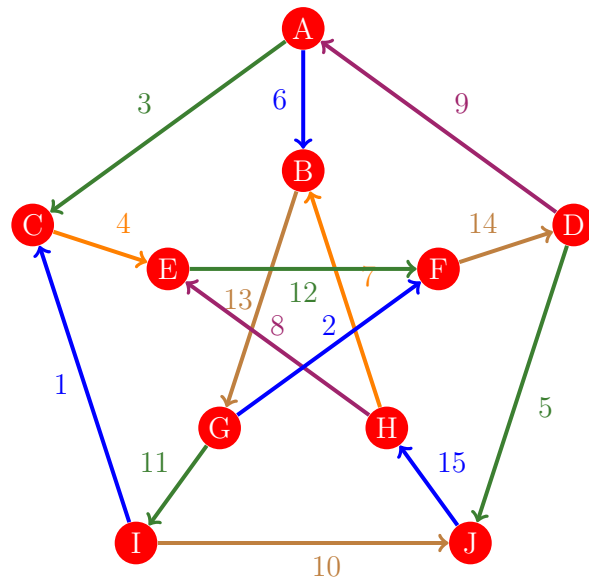


Figura 456: Flujo 448 de la gráfica de Petersen

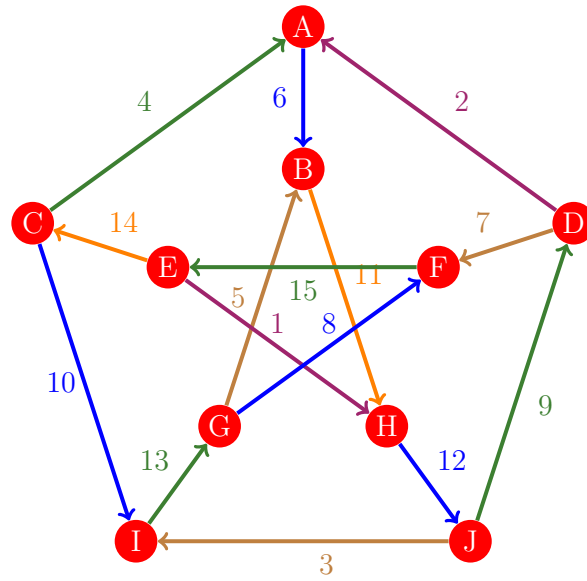


Figura 457: Flujo 449 de la gráfica de Petersen

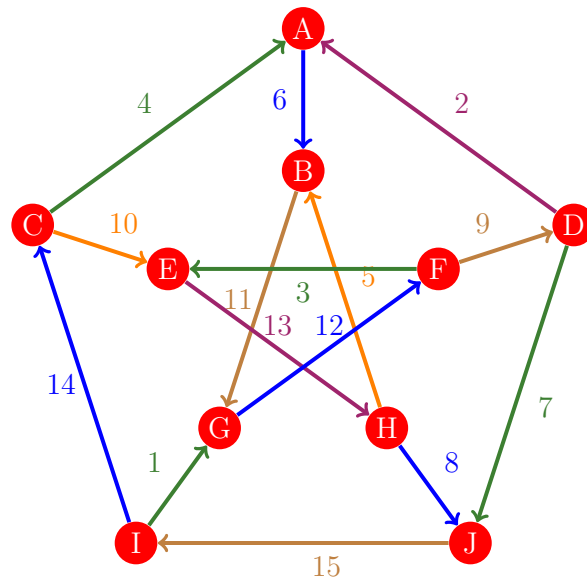


Figura 458: Flujo 450 de la gráfica de Petersen

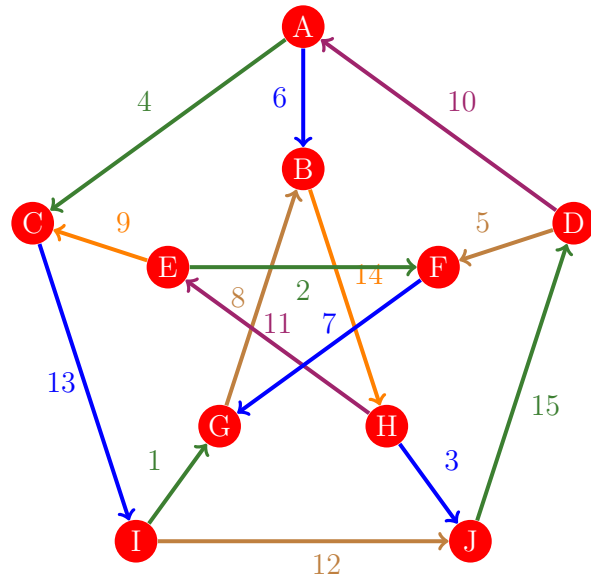


Figura 459: Flujo 451 de la gráfica de Petersen

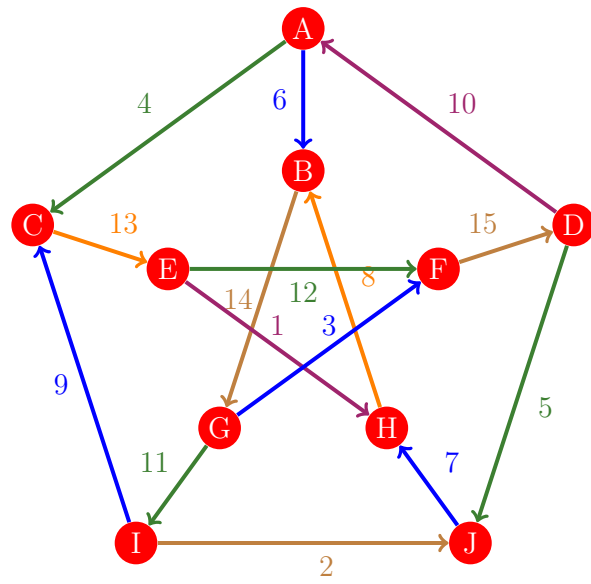


Figura 460: Flujo 452 de la gráfica de Petersen

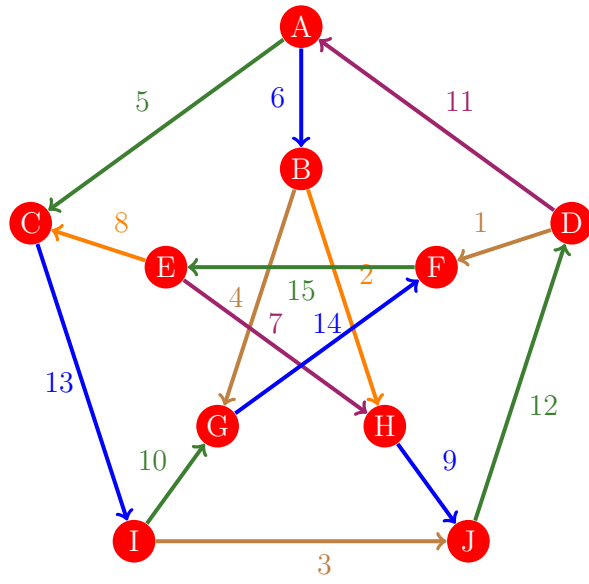


Figura 461: Flujo 453 de la gráfica de Petersen

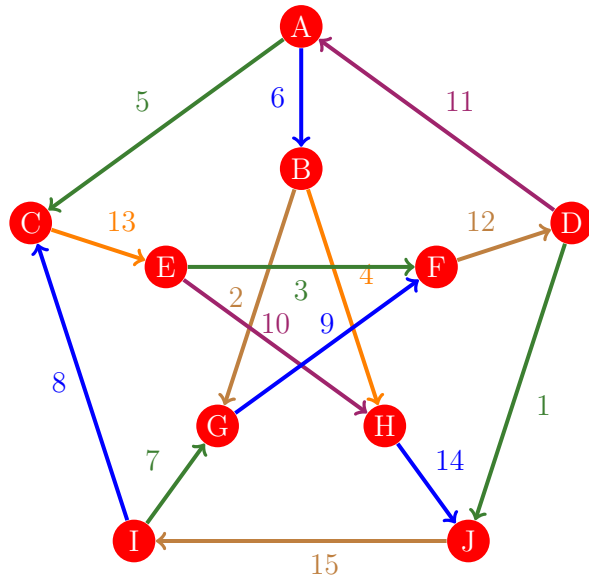


Figura 462: Flujo 454 de la gráfica de Petersen

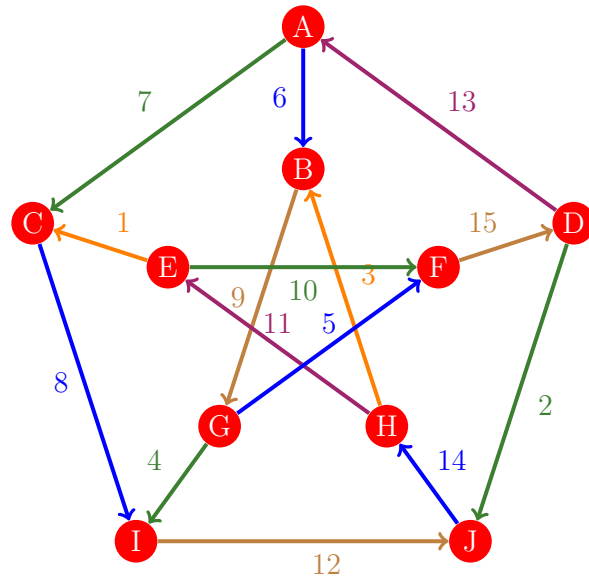


Figura 463: Flujo 455 de la gráfica de Petersen

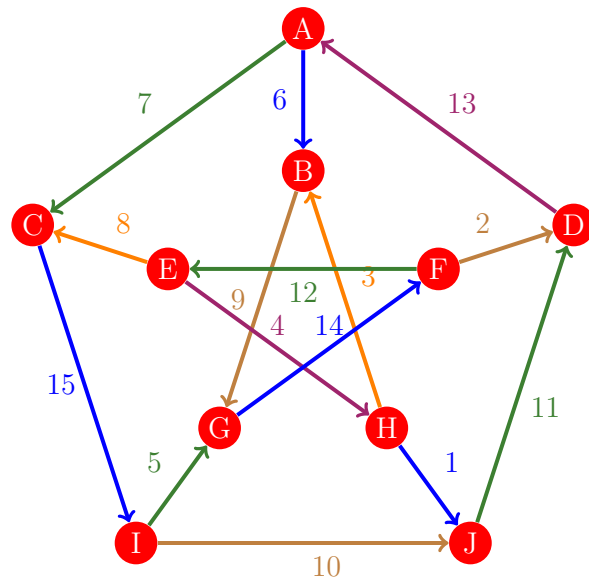


Figura 464: Flujo 456 de la gráfica de Petersen

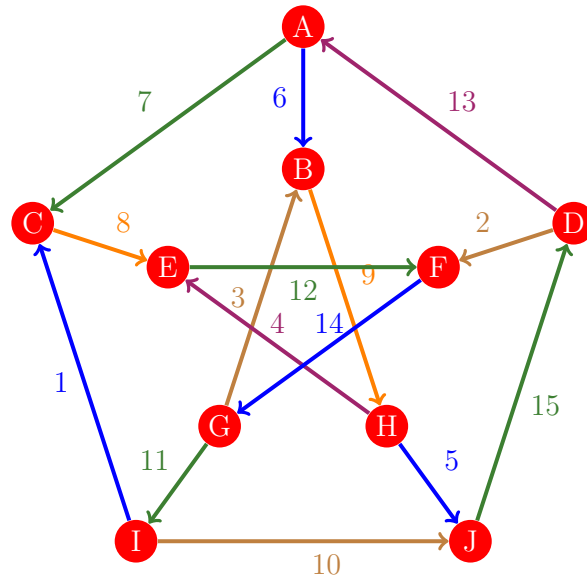


Figura 465: Flujo 457 de la gráfica de Petersen

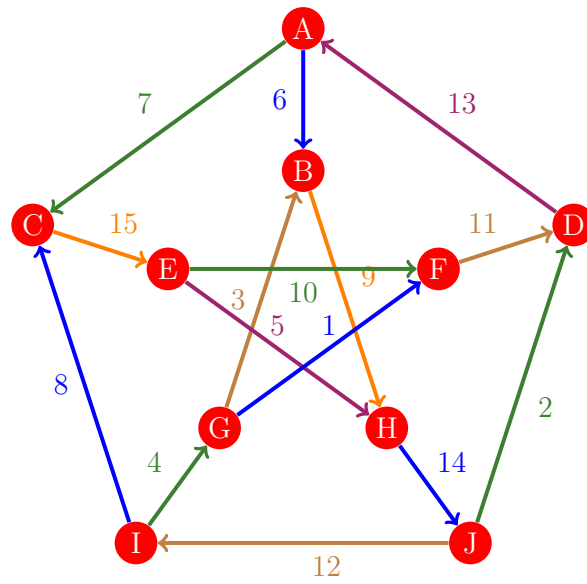


Figura 466: Flujo 458 de la gráfica de Petersen

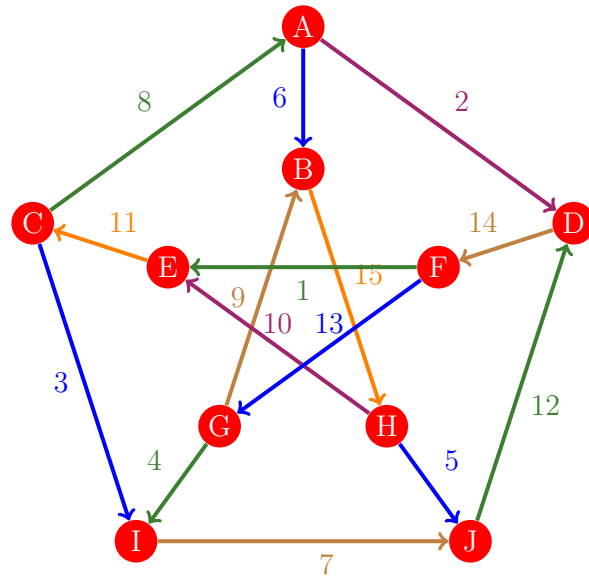


Figura 467: Flujo 459 de la gráfica de Petersen

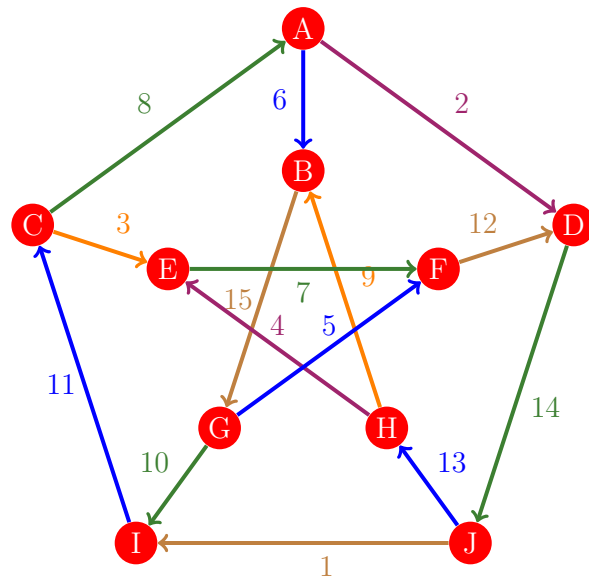


Figura 468: Flujo 460 de la gráfica de Petersen

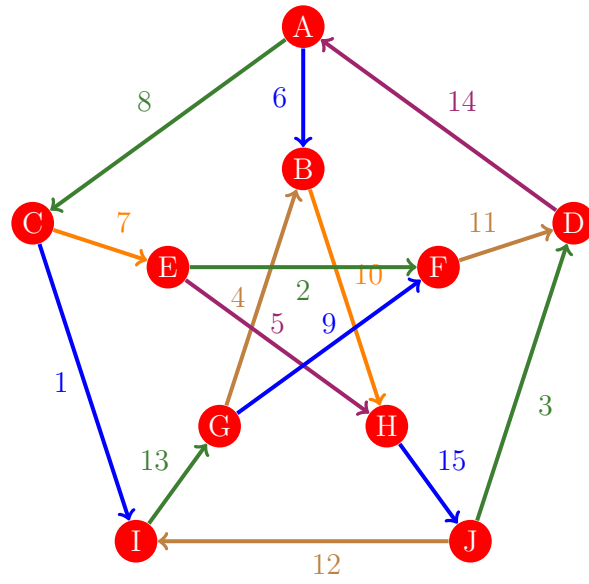


Figura 469: Flujo 461 de la gráfica de Petersen

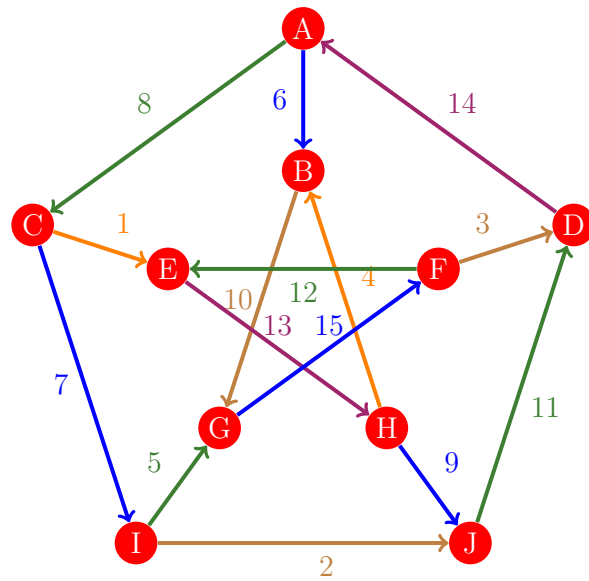


Figura 470: Flujo 462 de la gráfica de Petersen

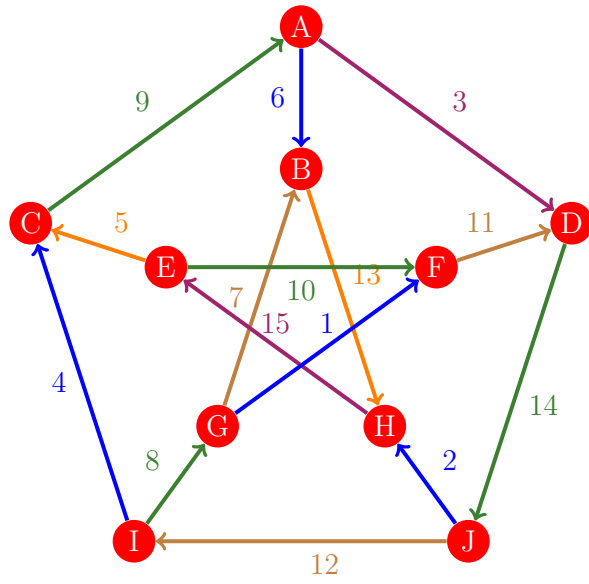


Figura 471: Flujo 463 de la gráfica de Petersen

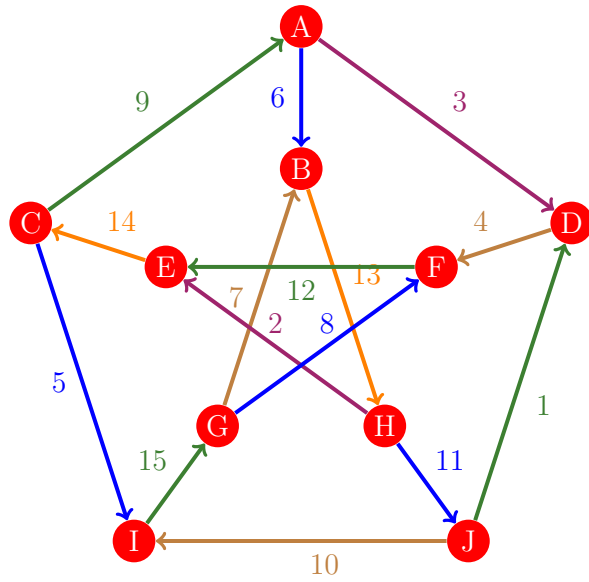


Figura 472: Flujo 464 de la gráfica de Petersen

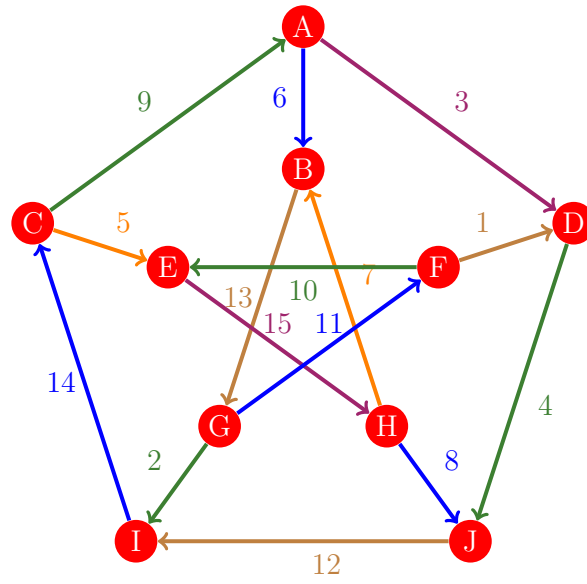


Figura 473: Flujo 465 de la gráfica de Petersen

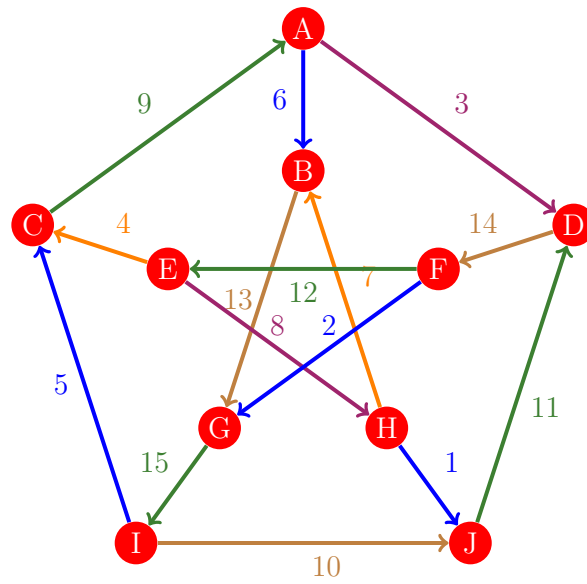


Figura 474: Flujo 466 de la gráfica de Petersen

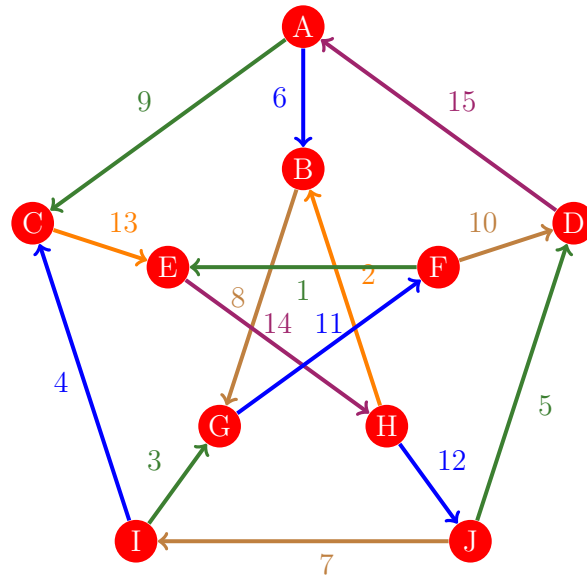


Figura 475: Flujo 467 de la gráfica de Petersen

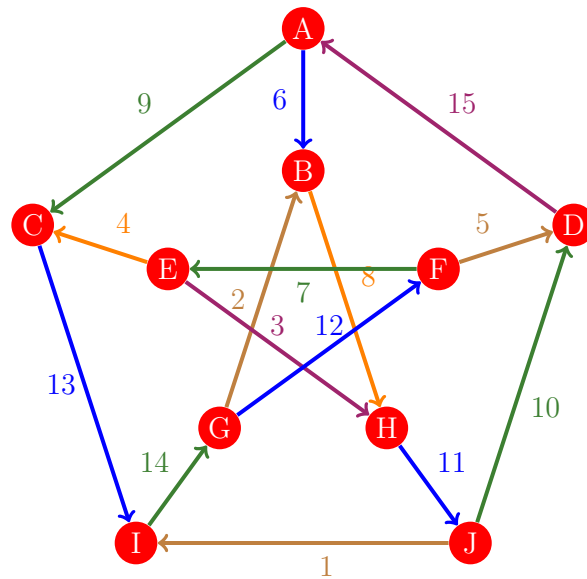


Figura 476: Flujo 468 de la gráfica de Petersen

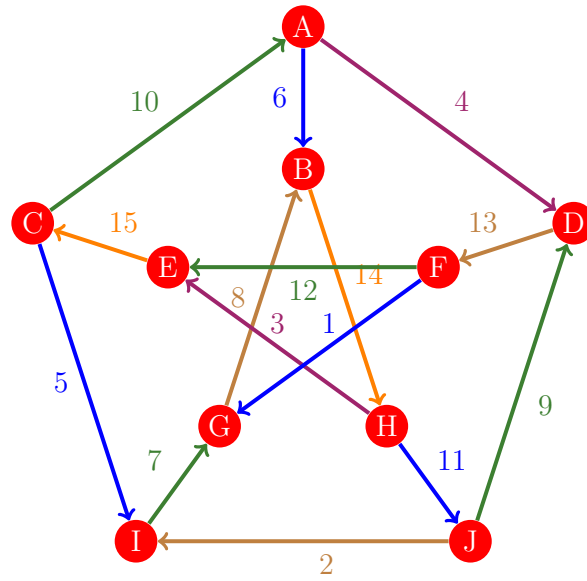


Figura 477: Flujo 469 de la gráfica de Petersen

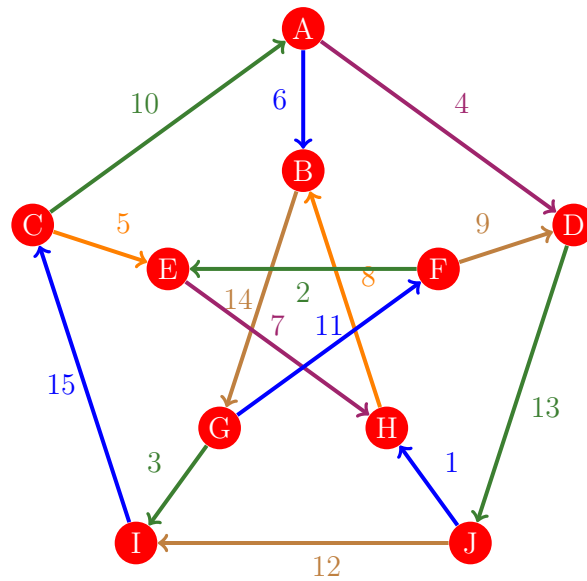


Figura 478: Flujo 470 de la gráfica de Petersen

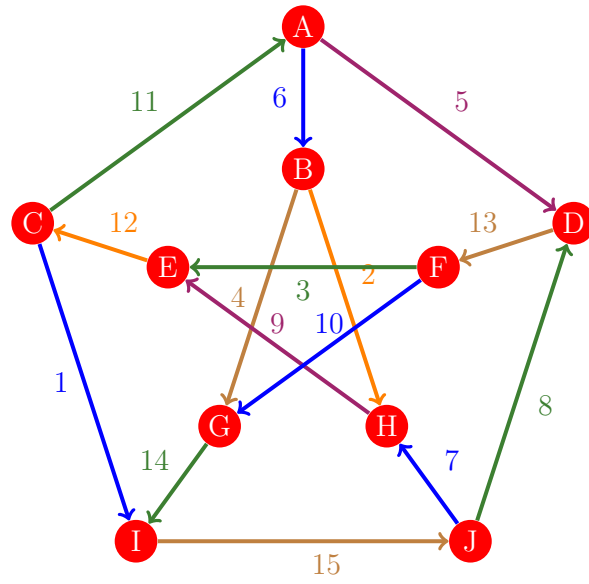


Figura 479: Flujo 471 de la gráfica de Petersen

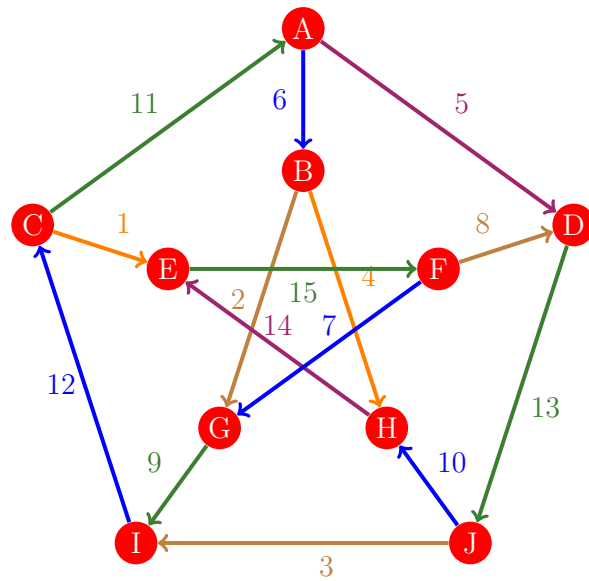


Figura 480: Flujo 472 de la gráfica de Petersen

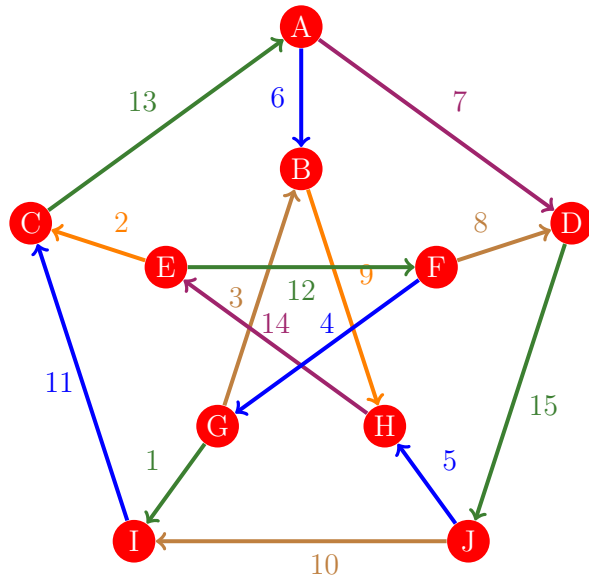


Figura 481: Flujo 473 de la gráfica de Petersen

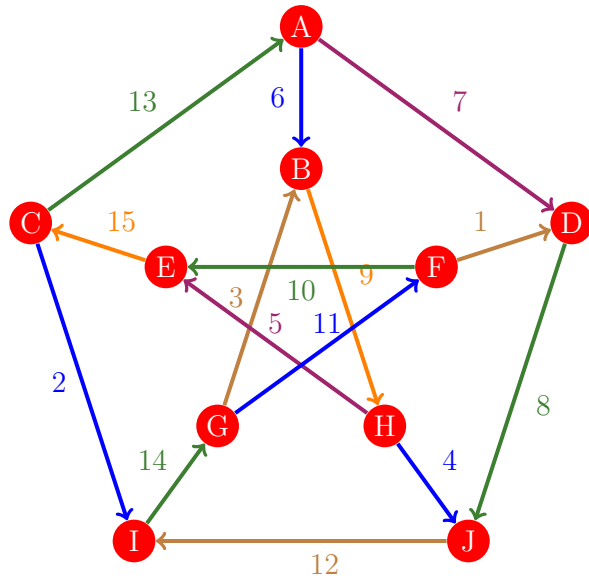


Figura 482: Flujo 474 de la gráfica de Petersen

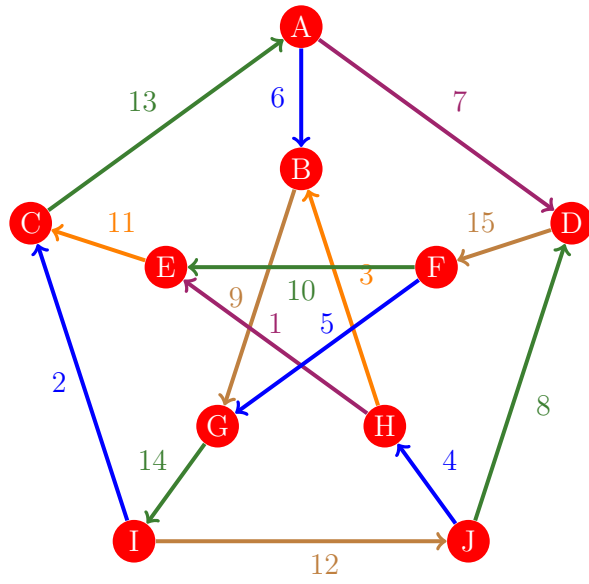


Figura 483: Flujo 475 de la gráfica de Petersen

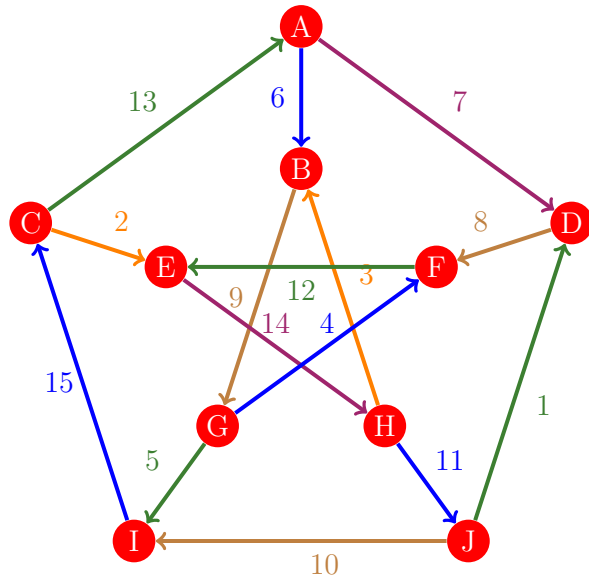


Figura 484: Flujo 476 de la gráfica de Petersen

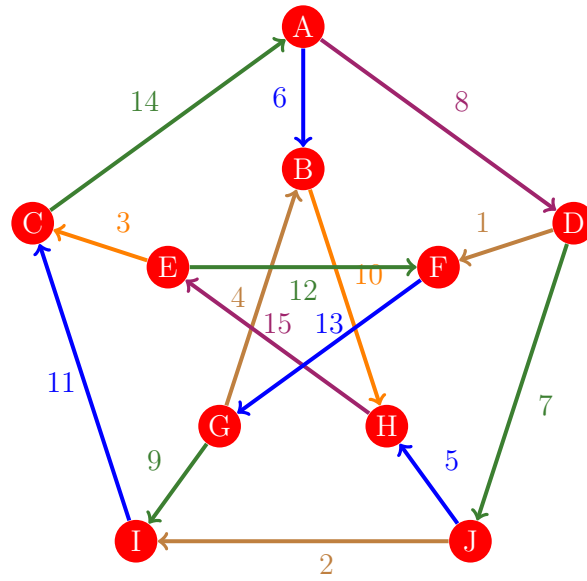


Figura 485: Flujo 477 de la gráfica de Petersen

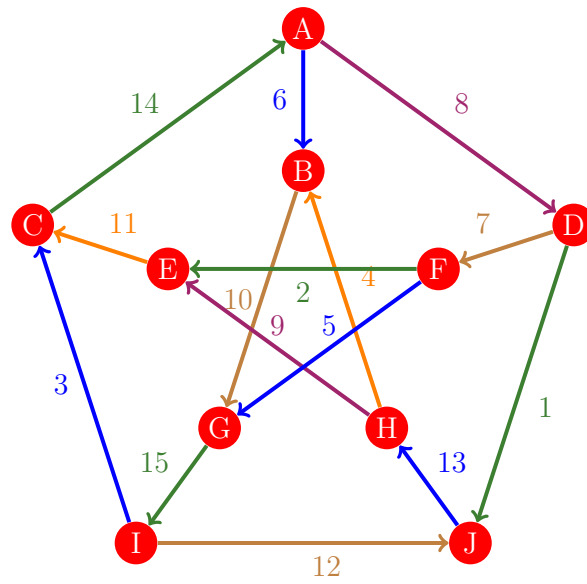


Figura 486: Flujo 478 de la gráfica de Petersen

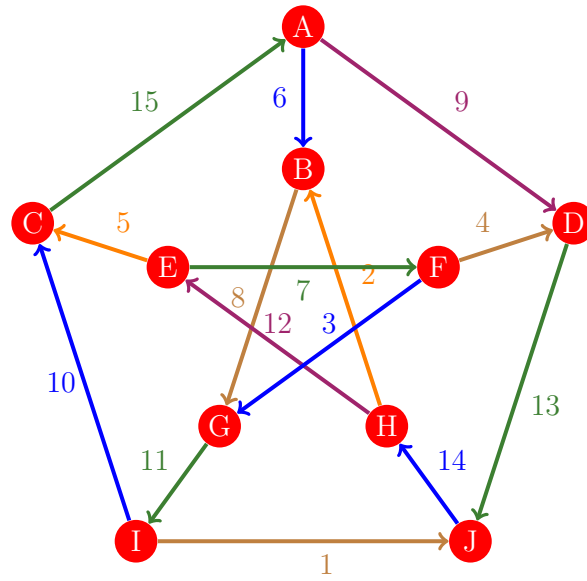


Figura 487: Flujo 479 de la gráfica de Petersen

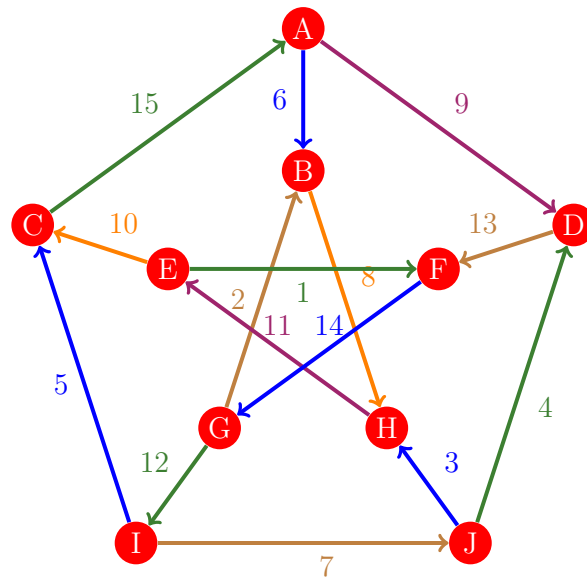


Figura 488: Flujo 480 de la gráfica de Petersen

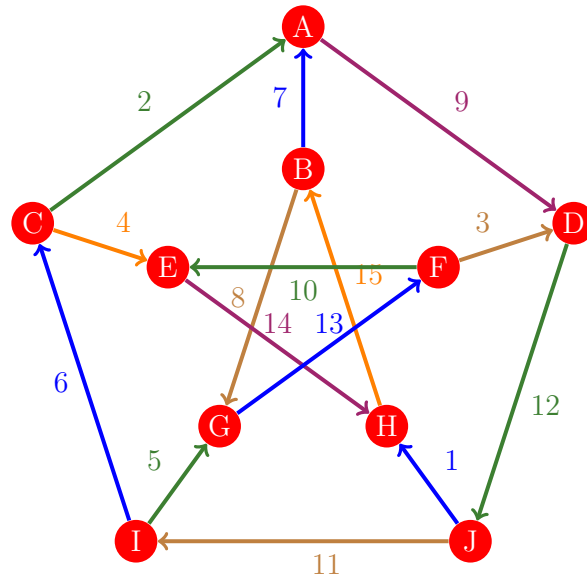


Figura 489: Flujo 481 de la gráfica de Petersen

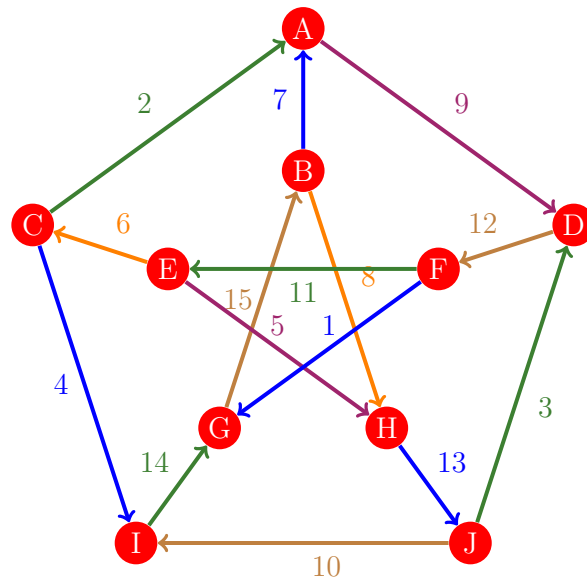


Figura 490: Flujo 482 de la gráfica de Petersen

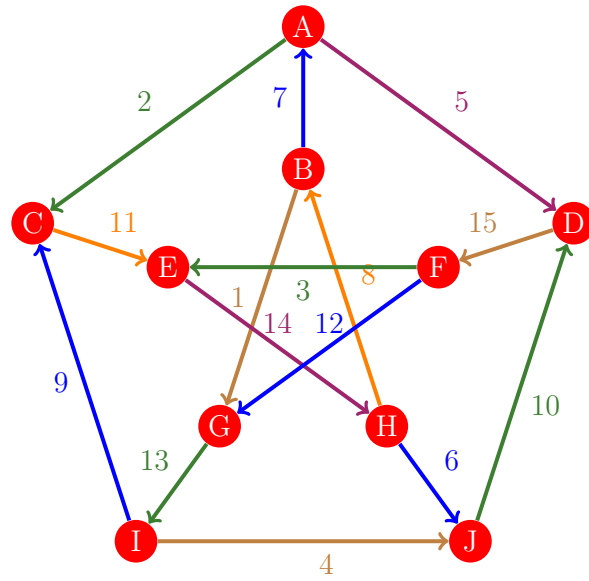


Figura 491: Flujo 483 de la gráfica de Petersen

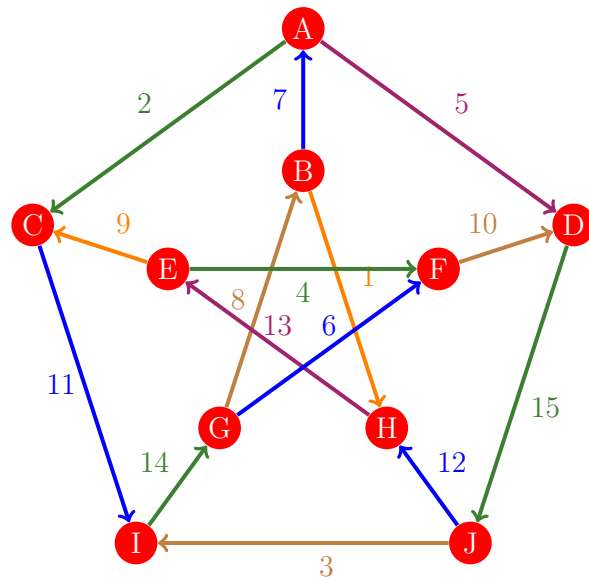


Figura 492: Flujo 484 de la gráfica de Petersen

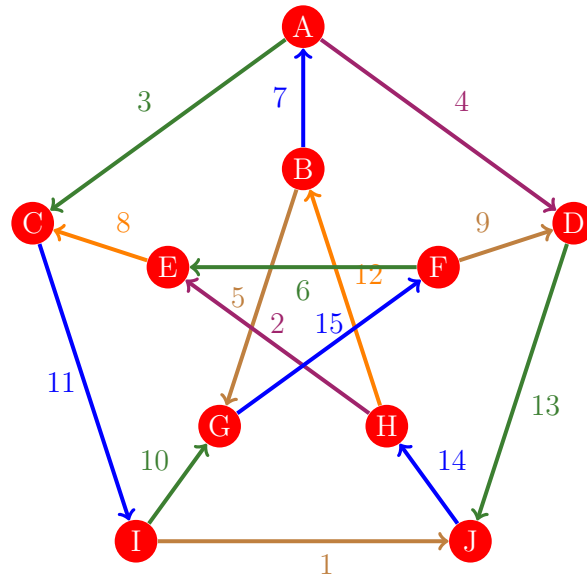


Figura 493: Flujo 485 de la gráfica de Petersen

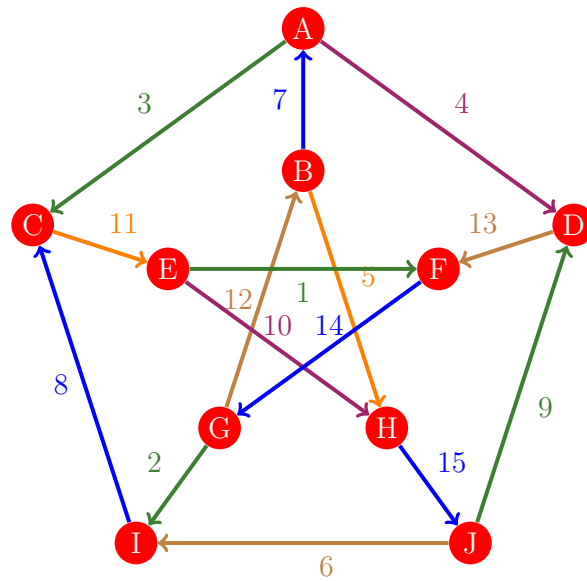


Figura 494: Flujo 486 de la gráfica de Petersen

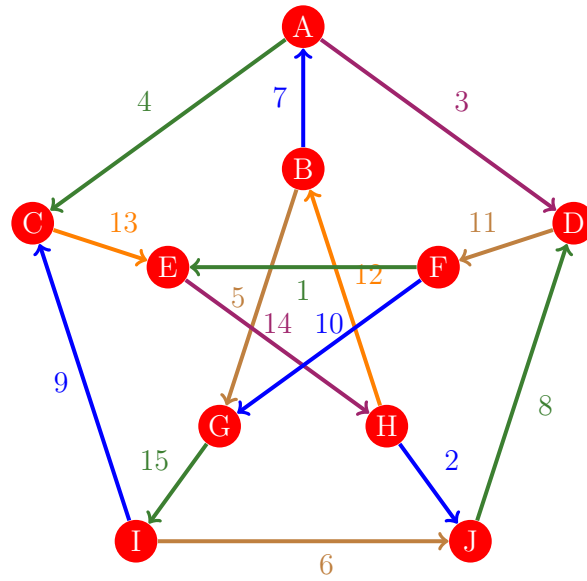


Figura 495: Flujo 487 de la gráfica de Petersen

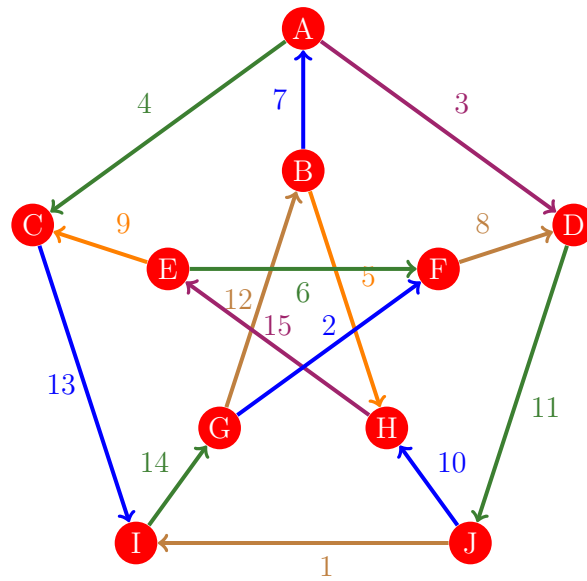


Figura 496: Flujo 488 de la gráfica de Petersen

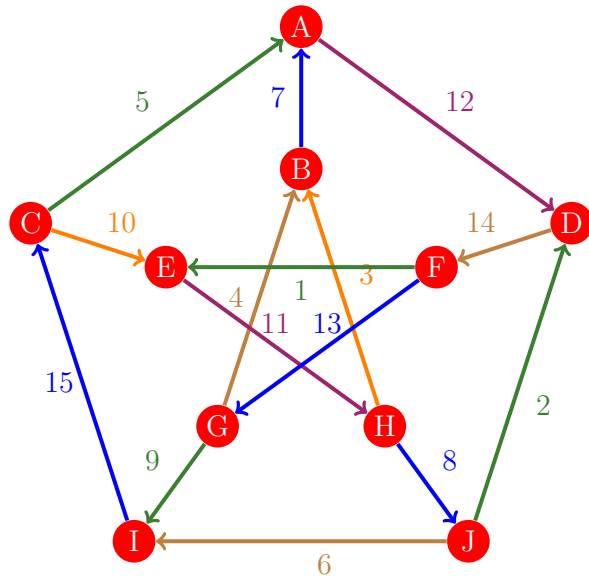


Figura 497: Flujo 489 de la gráfica de Petersen

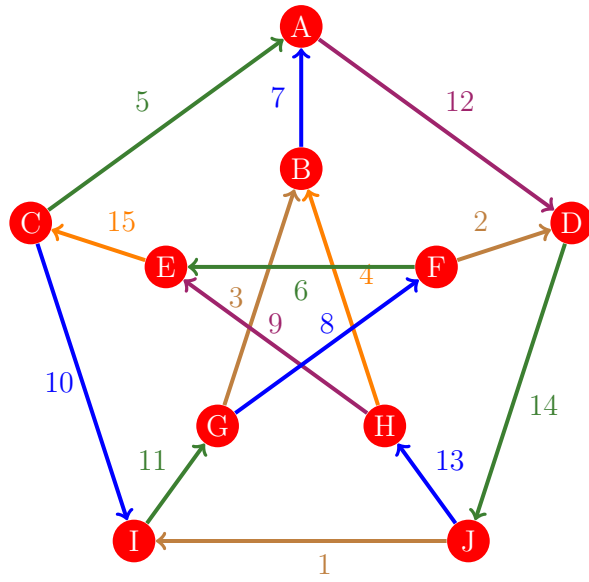


Figura 498: Flujo 490 de la gráfica de Petersen

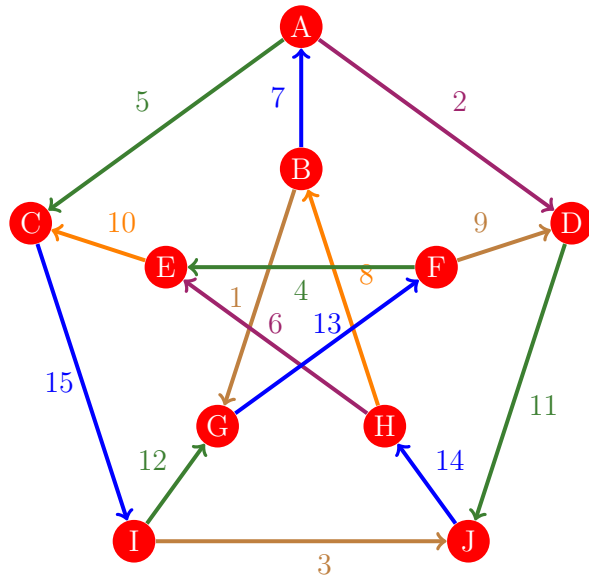


Figura 499: Flujo 491 de la gráfica de Petersen

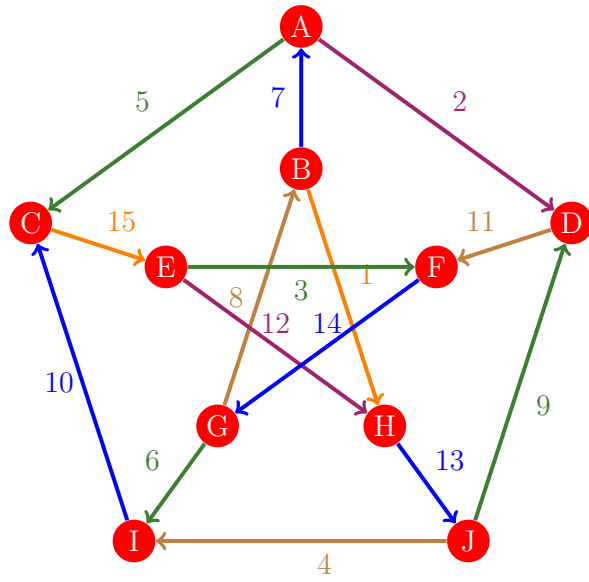


Figura 500: Flujo 492 de la gráfica de Petersen

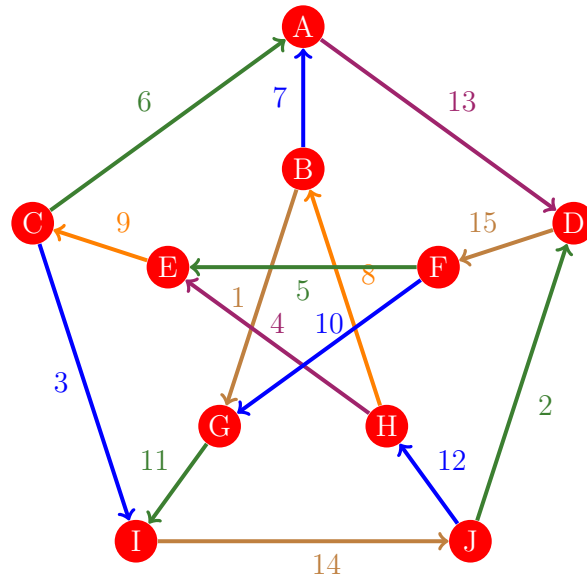


Figura 501: Flujo 493 de la gráfica de Petersen

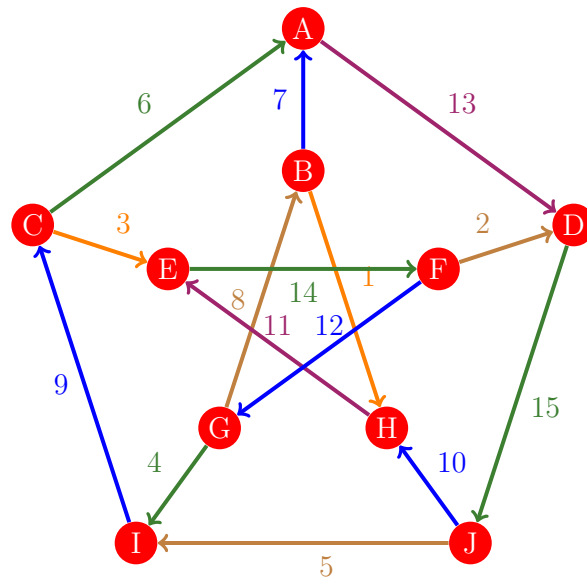


Figura 502: Flujo 494 de la gráfica de Petersen

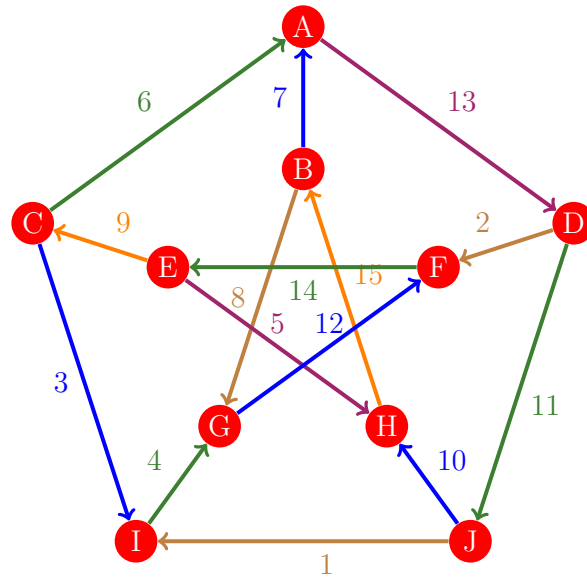


Figura 503: Flujo 495 de la gráfica de Petersen

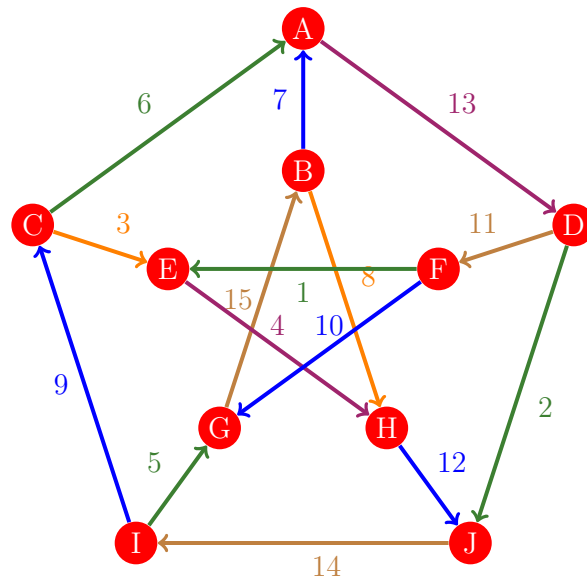


Figura 504: Flujo 496 de la gráfica de Petersen

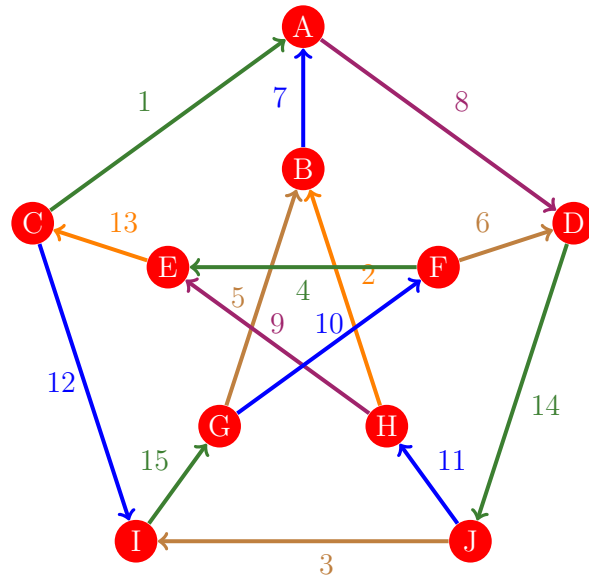


Figura 505: Flujo 497 de la gráfica de Petersen

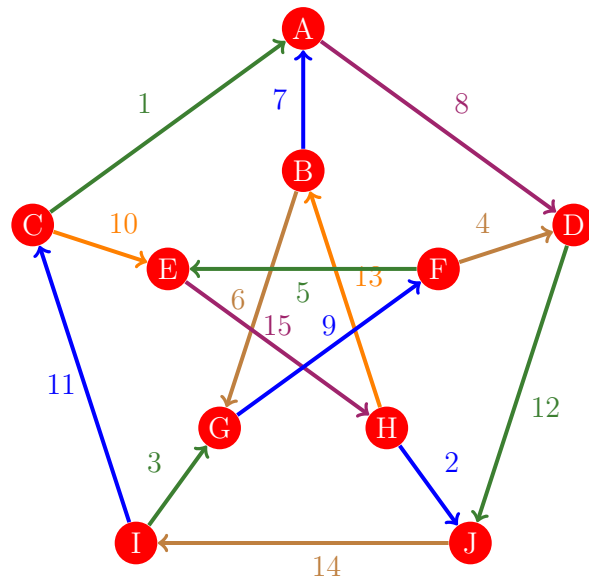


Figura 506: Flujo 498 de la gráfica de Petersen

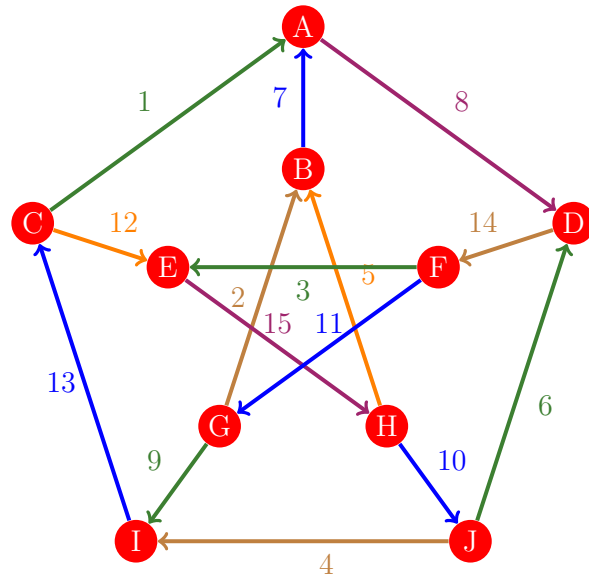


Figura 507: Flujo 499 de la gráfica de Petersen

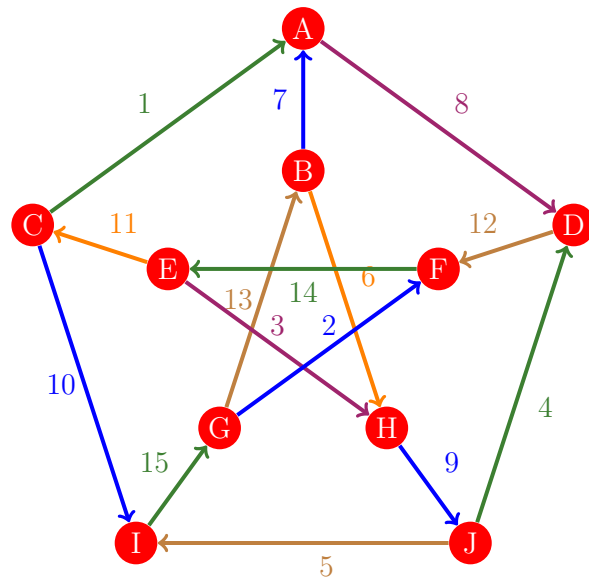


Figura 508: Flujo 500 de la gráfica de Petersen

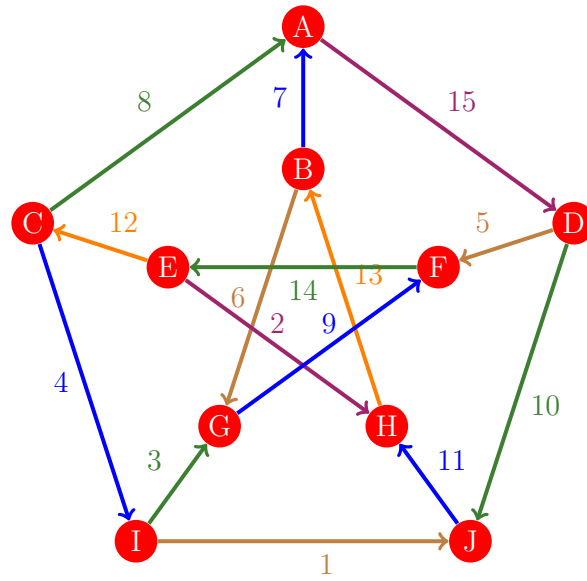


Figura 509: Flujo 501 de la gráfica de Petersen

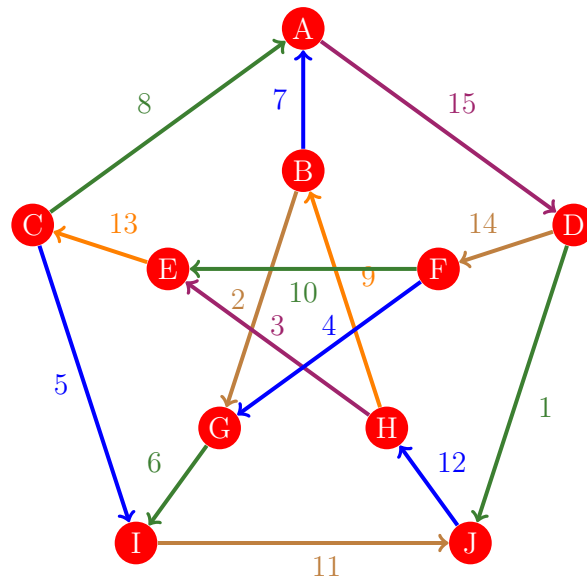


Figura 510: Flujo 502 de la gráfica de Petersen

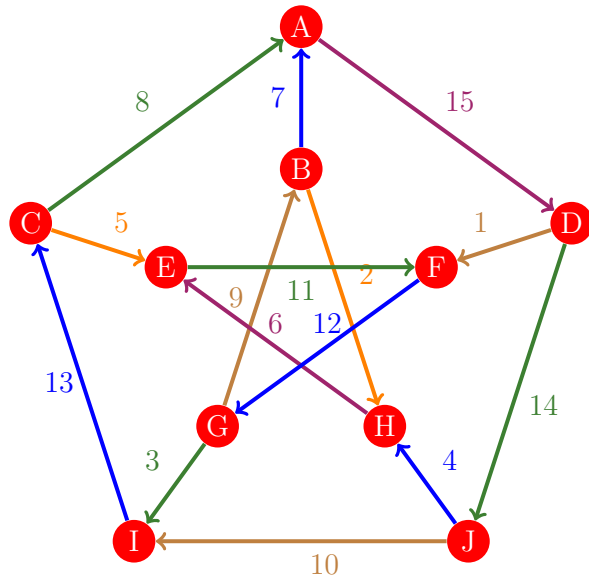


Figura 511: Flujo 503 de la gráfica de Petersen

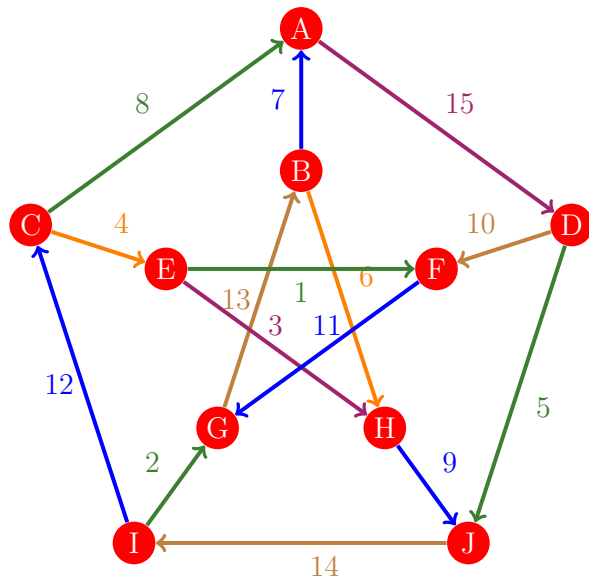


Figura 512: Flujo 504 de la gráfica de Petersen

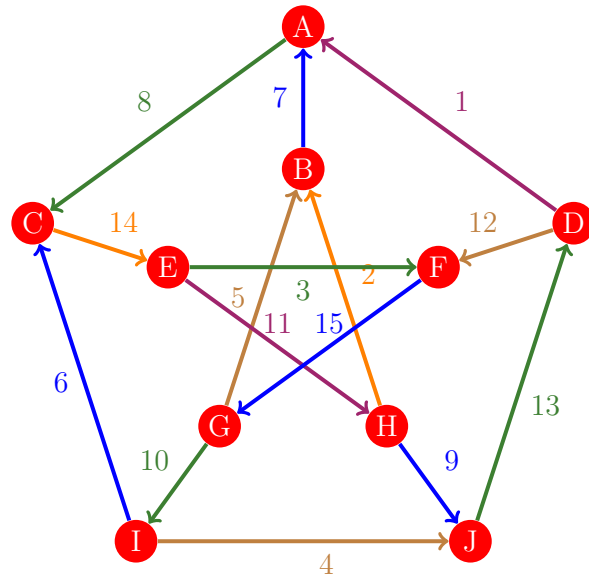


Figura 513: Flujo 505 de la gráfica de Petersen

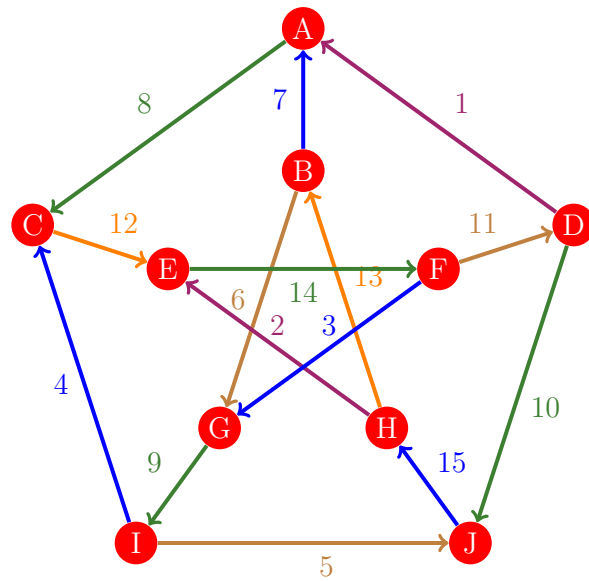


Figura 514: Flujo 506 de la gráfica de Petersen

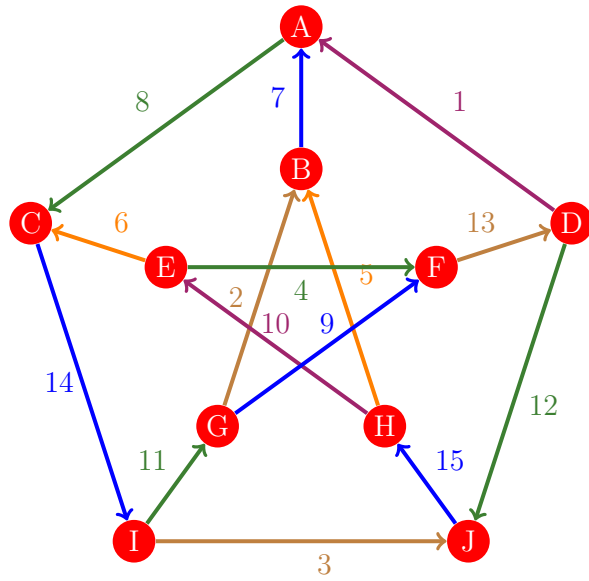


Figura 515: Flujo 507 de la gráfica de Petersen

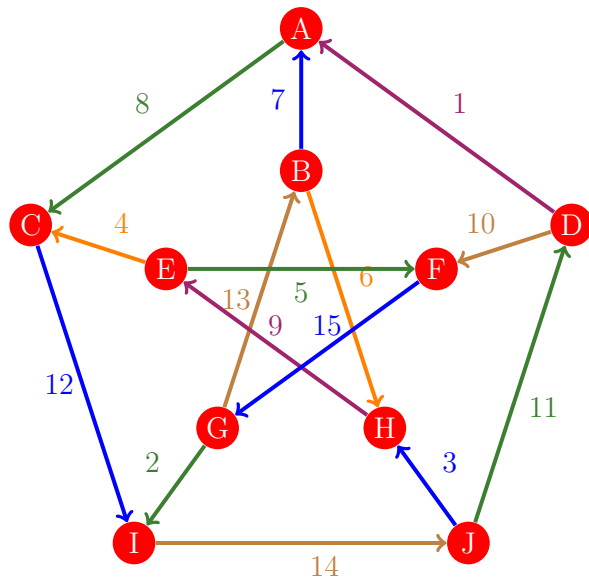


Figura 516: Flujo 508 de la gráfica de Petersen

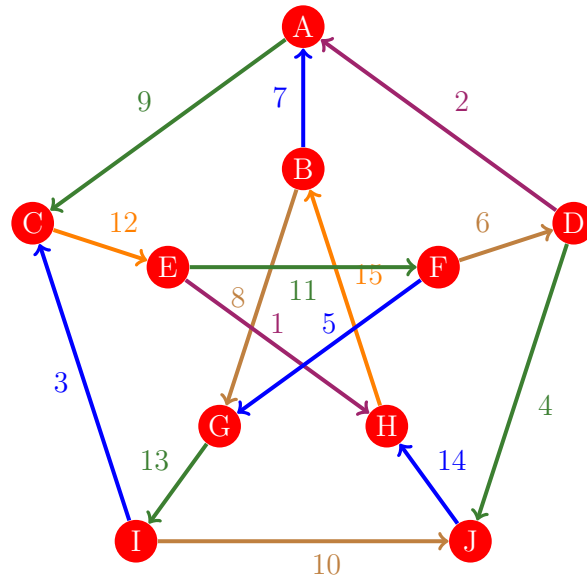


Figura 517: Flujo 509 de la gráfica de Petersen

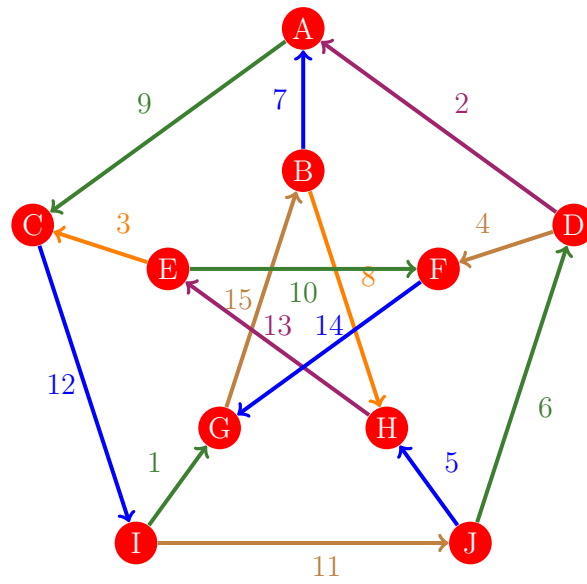


Figura 518: Flujo 510 de la gráfica de Petersen

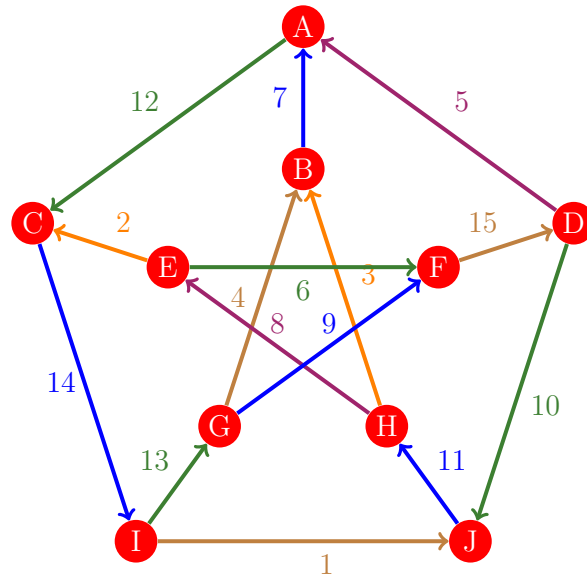


Figura 519: Flujo 511 de la gráfica de Petersen

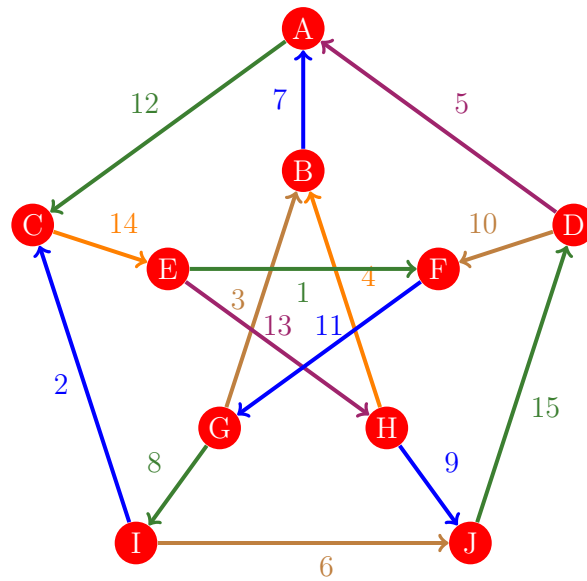


Figura 520: Flujo 512 de la gráfica de Petersen

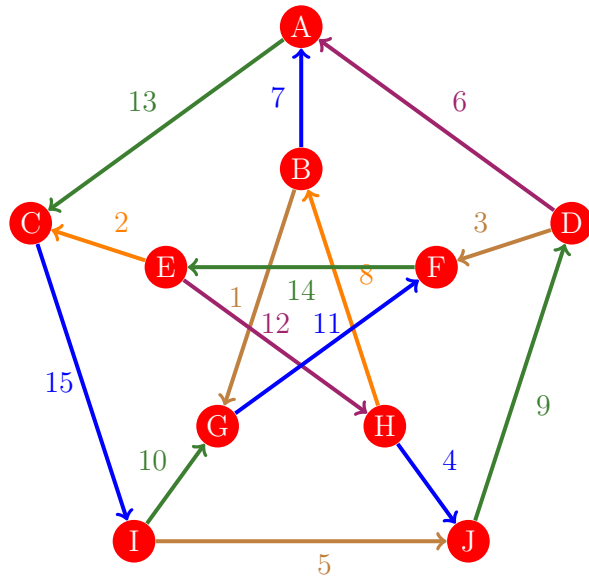


Figura 521: Flujo 513 de la gráfica de Petersen

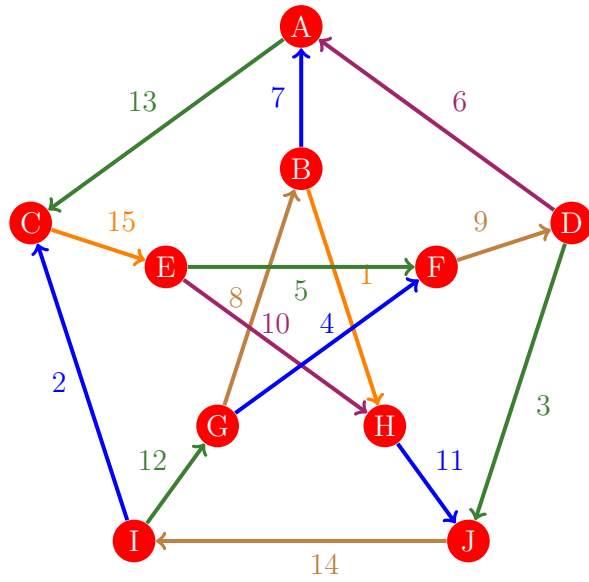


Figura 522: Flujo 514 de la gráfica de Petersen

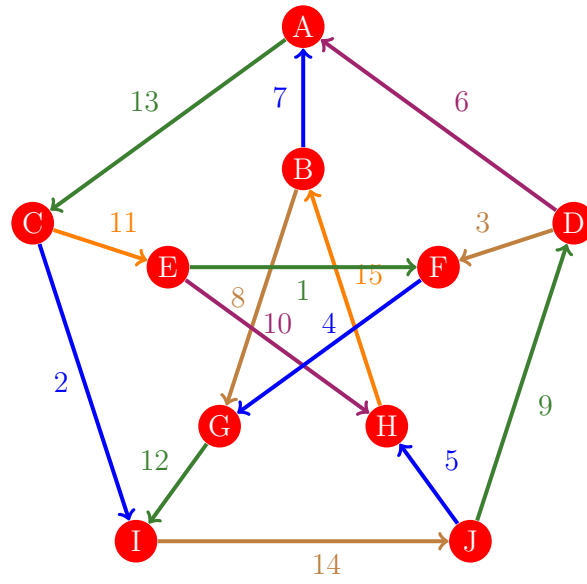


Figura 523: Flujo 515 de la gráfica de Petersen

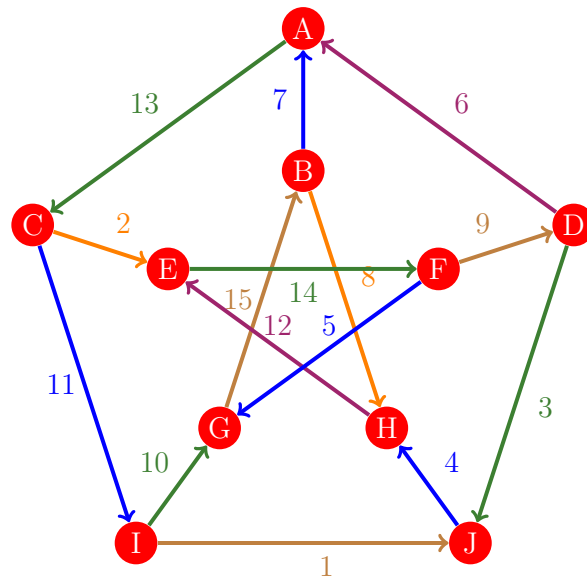


Figura 524: Flujo 516 de la gráfica de Petersen

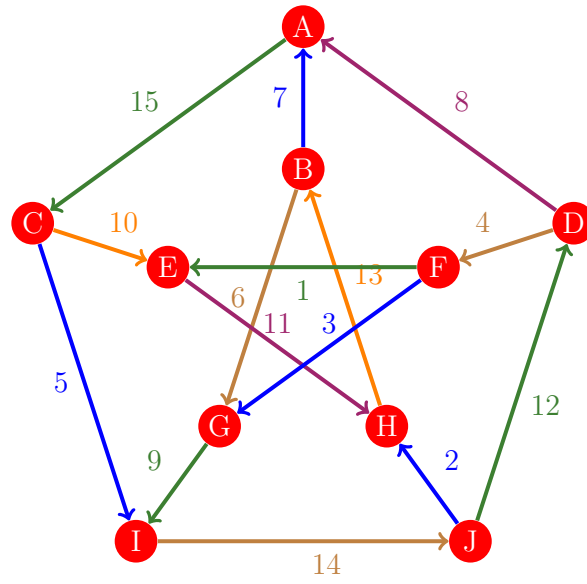


Figura 525: Flujo 517 de la gráfica de Petersen

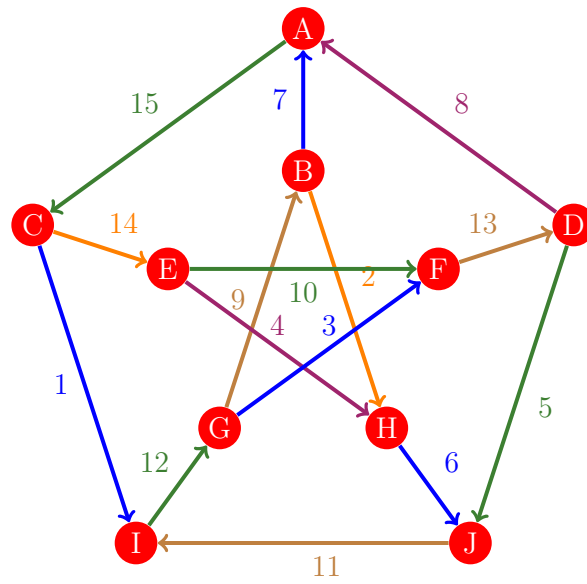


Figura 526: Flujo 518 de la gráfica de Petersen

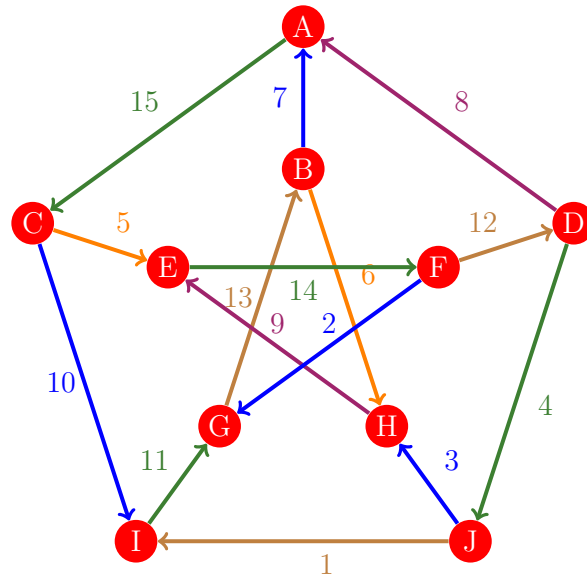


Figura 527: Flujo 519 de la gráfica de Petersen

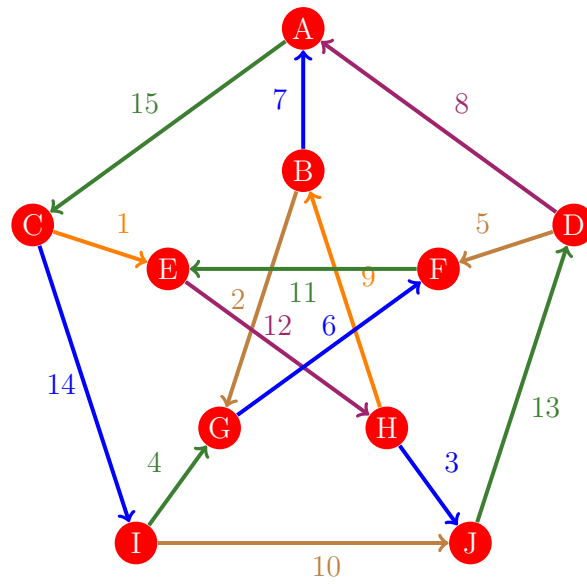


Figura 528: Flujo 520 de la gráfica de Petersen

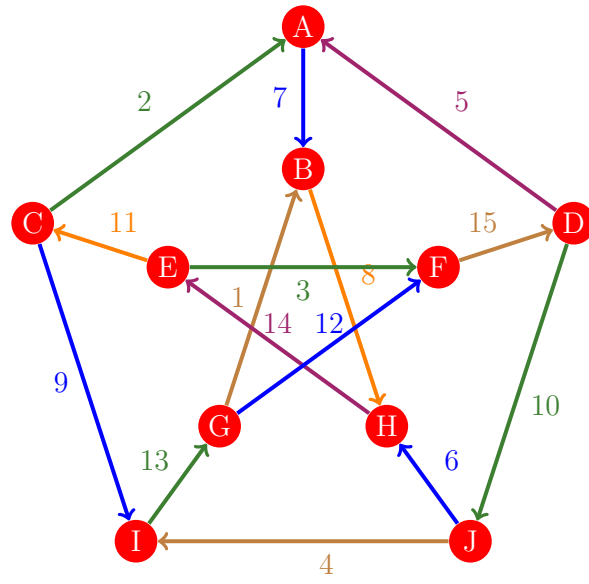


Figura 529: Flujo 521 de la gráfica de Petersen

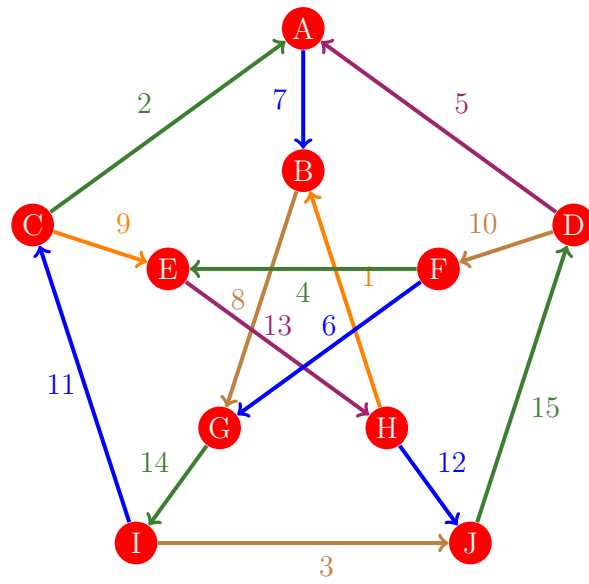


Figura 530: Flujo 522 de la gráfica de Petersen

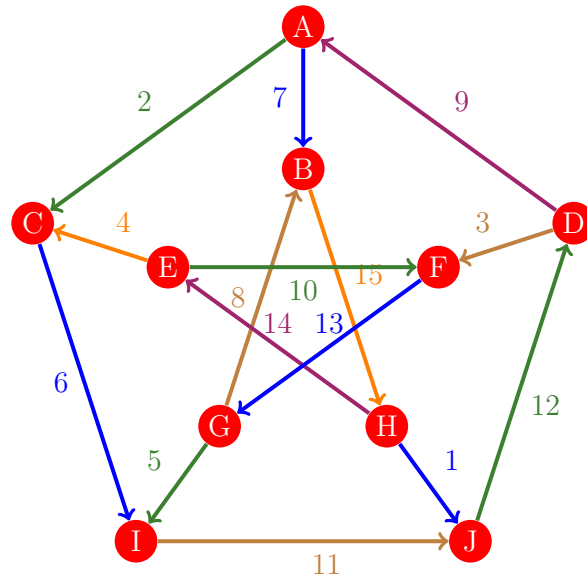


Figura 531: Flujo 523 de la gráfica de Petersen

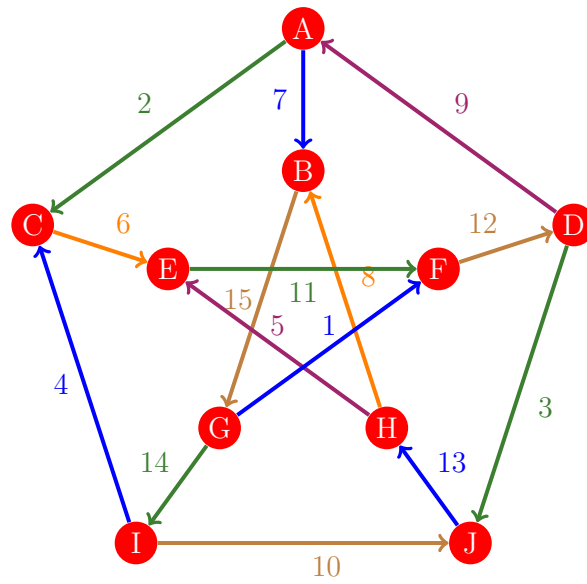


Figura 532: Flujo 524 de la gráfica de Petersen

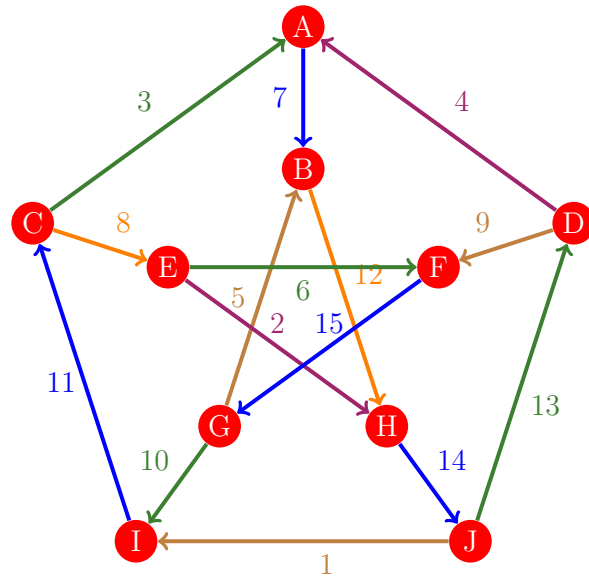


Figura 533: Flujo 525 de la gráfica de Petersen

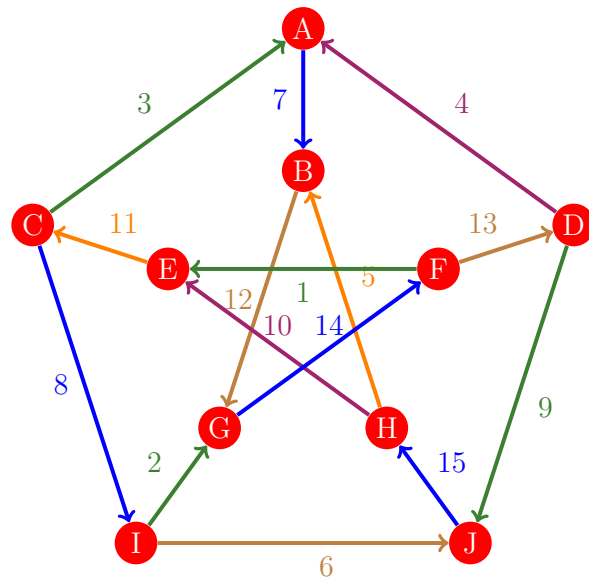


Figura 534: Flujo 526 de la gráfica de Petersen

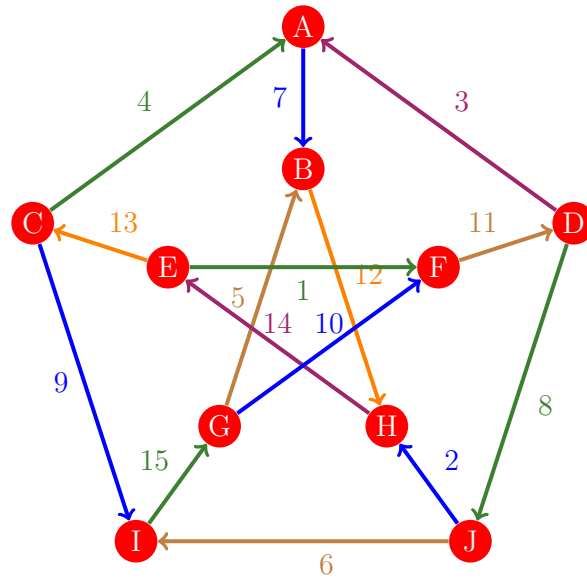


Figura 535: Flujo 527 de la gráfica de Petersen

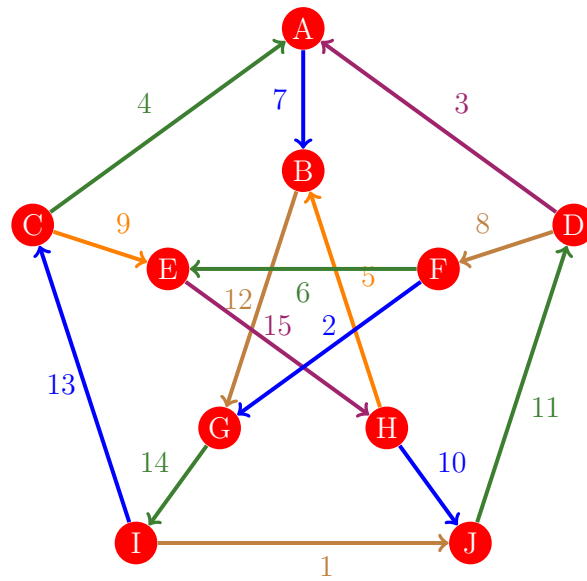


Figura 536: Flujo 528 de la gráfica de Petersen

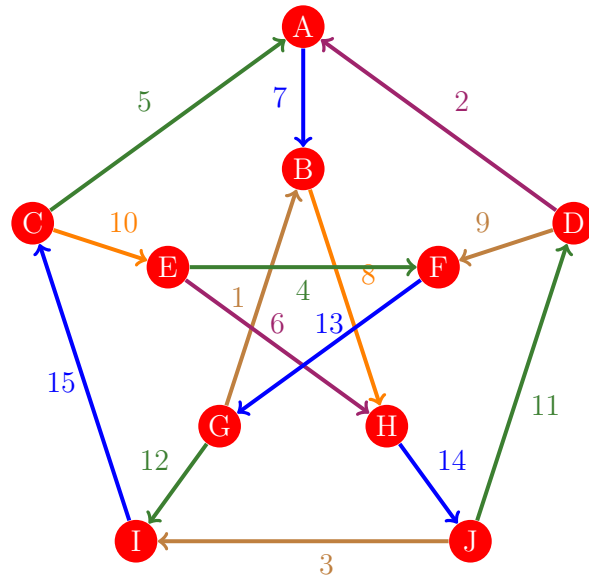


Figura 537: Flujo 529 de la gráfica de Petersen

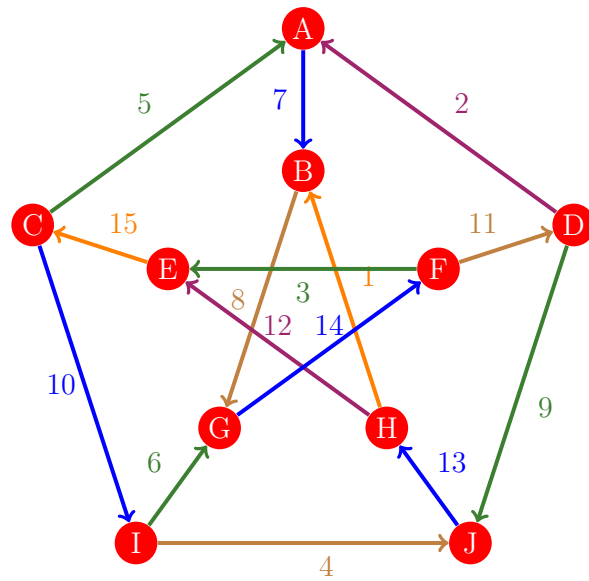


Figura 538: Flujo 530 de la gráfica de Petersen

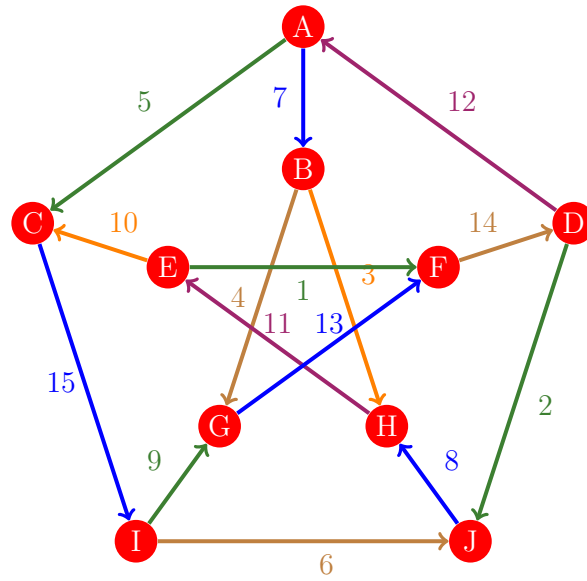


Figura 539: Flujo 531 de la gráfica de Petersen

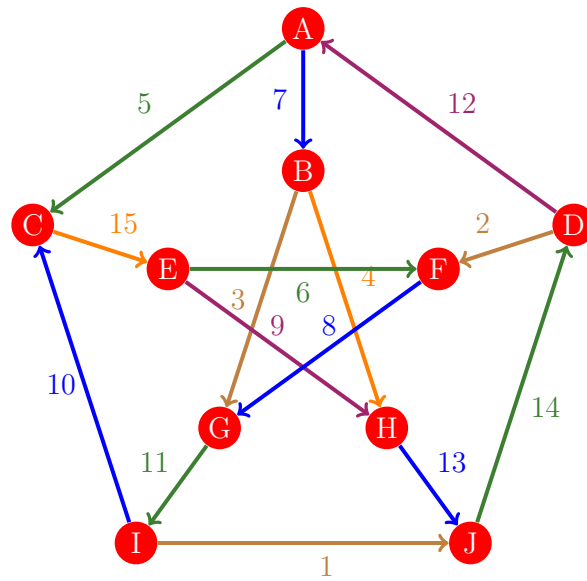


Figura 540: Flujo 532 de la gráfica de Petersen

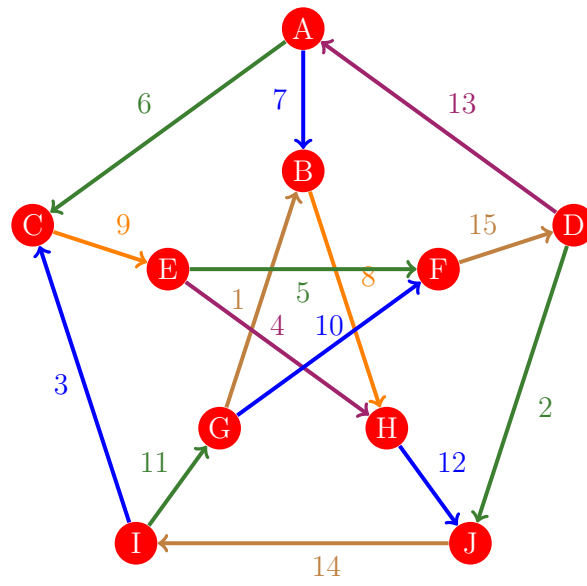


Figura 541: Flujo 533 de la gráfica de Petersen

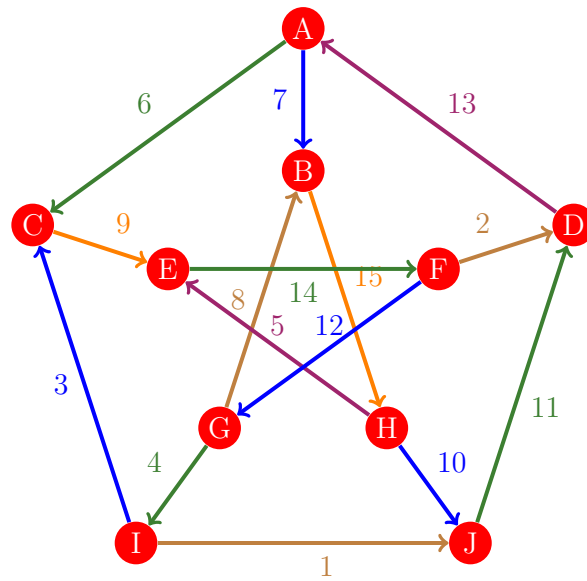


Figura 542: Flujo 534 de la gráfica de Petersen

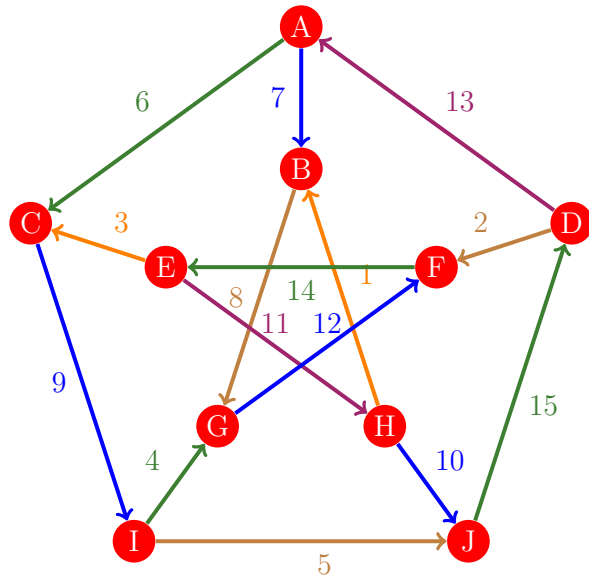


Figura 543: Flujo 535 de la gráfica de Petersen

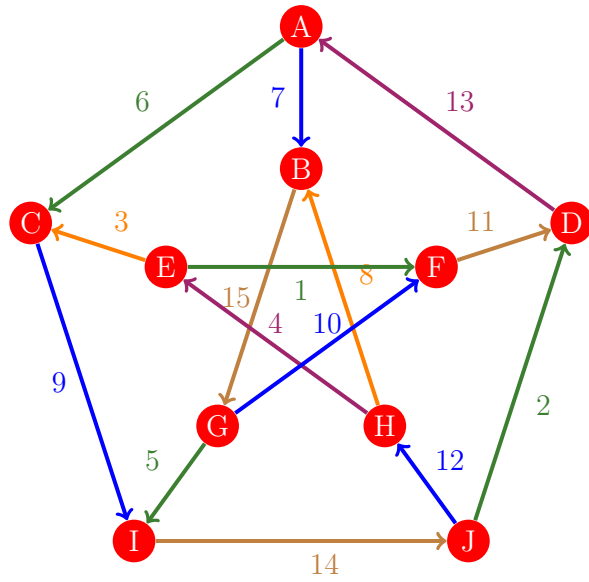


Figura 544: Flujo 536 de la gráfica de Petersen

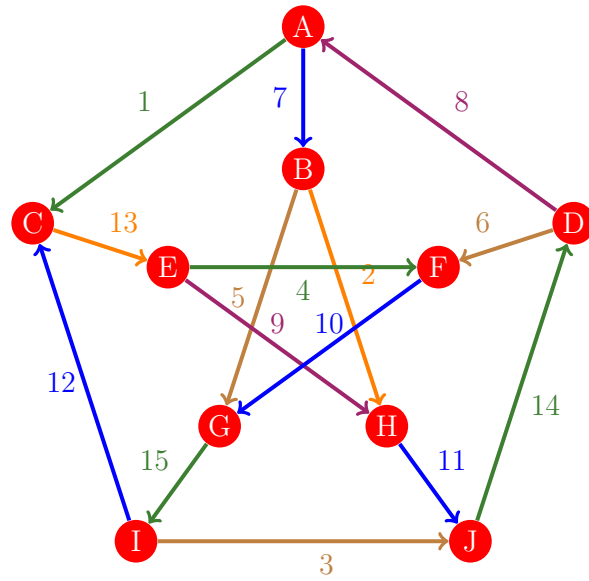


Figura 545: Flujo 537 de la gráfica de Petersen

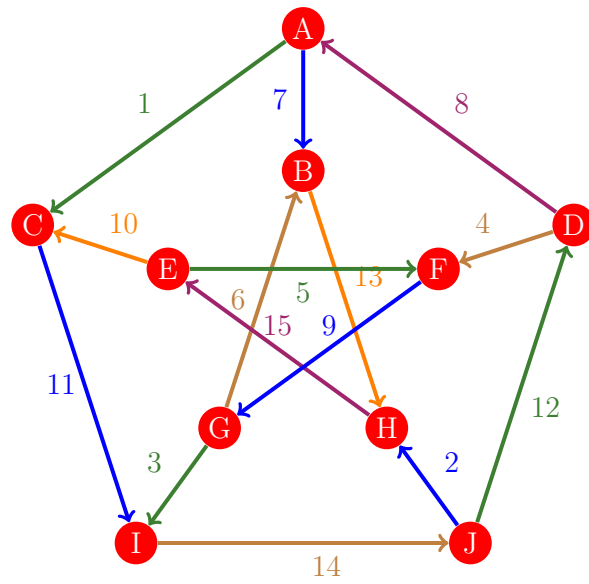


Figura 546: Flujo 538 de la gráfica de Petersen

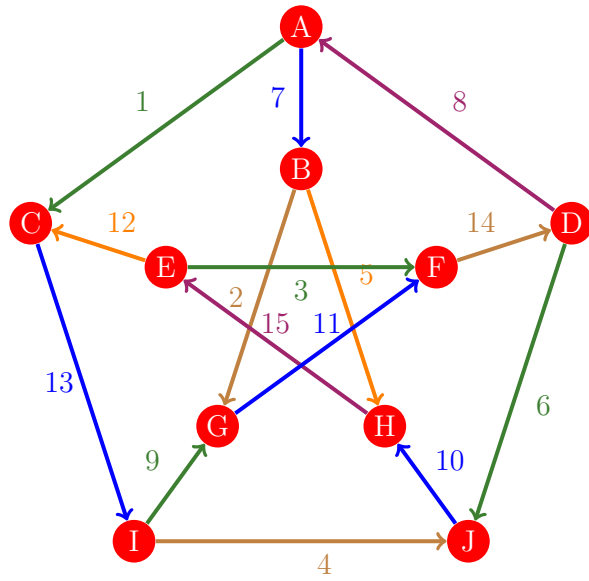


Figura 547: Flujo 539 de la gráfica de Petersen

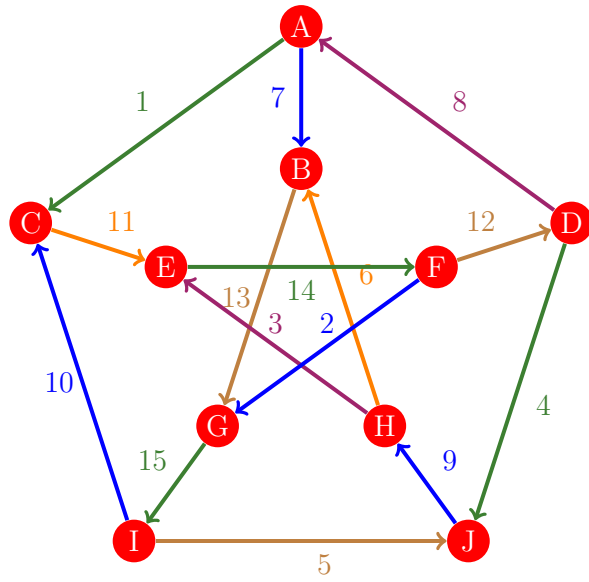


Figura 548: Flujo 540 de la gráfica de Petersen

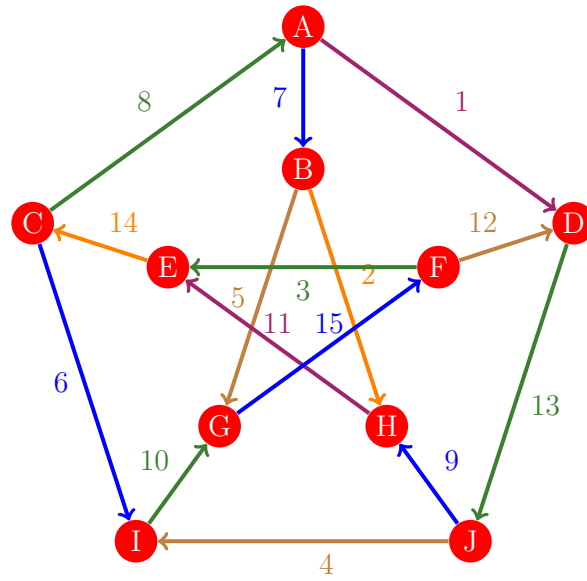


Figura 549: Flujo 541 de la gráfica de Petersen

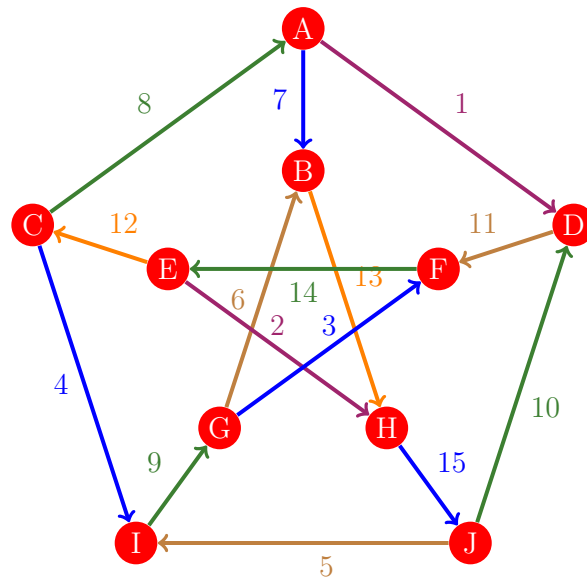


Figura 550: Flujo 542 de la gráfica de Petersen

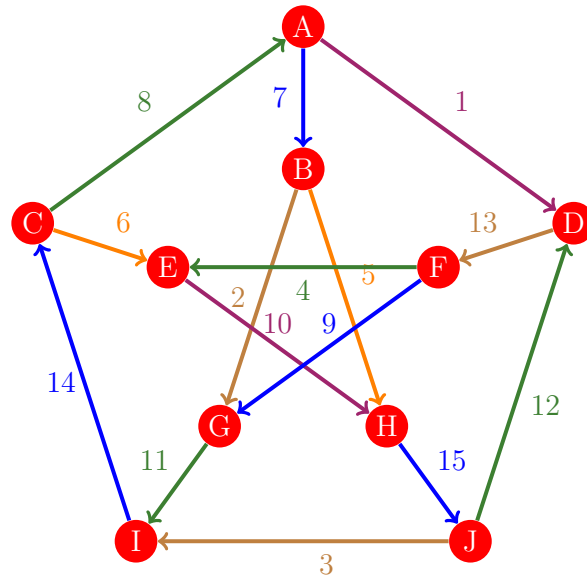


Figura 551: Flujo 543 de la gráfica de Petersen

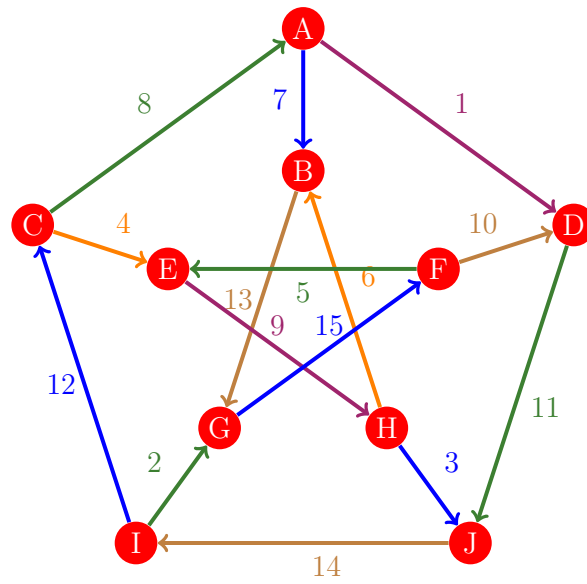


Figura 552: Flujo 544 de la gráfica de Petersen

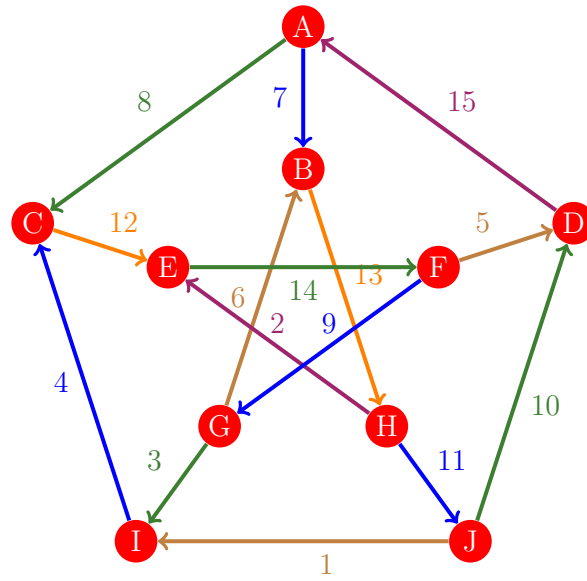


Figura 553: Flujo 545 de la gráfica de Petersen

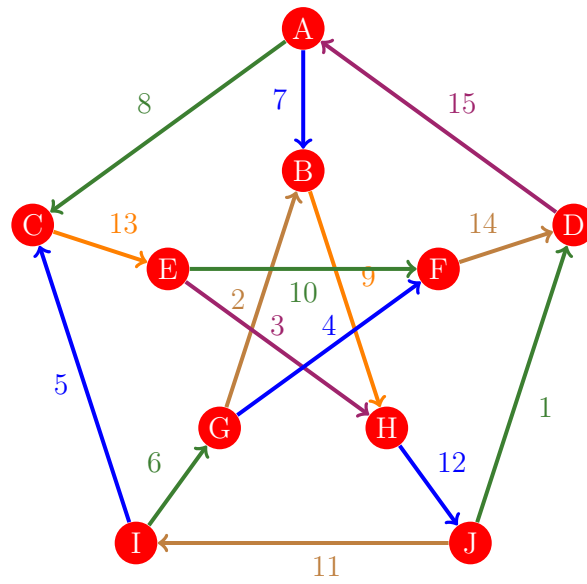


Figura 554: Flujo 546 de la gráfica de Petersen

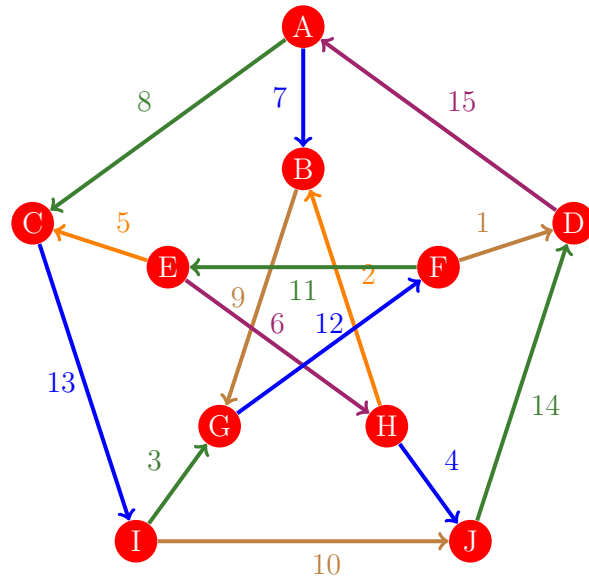


Figura 555: Flujo 547 de la gráfica de Petersen

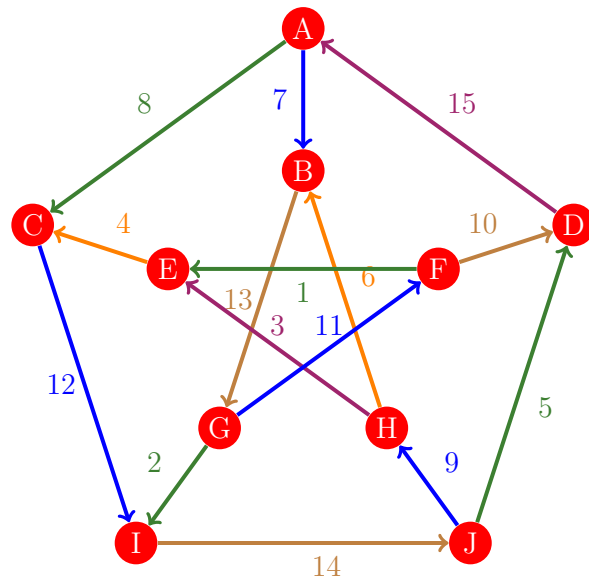


Figura 556: Flujo 548 de la gráfica de Petersen

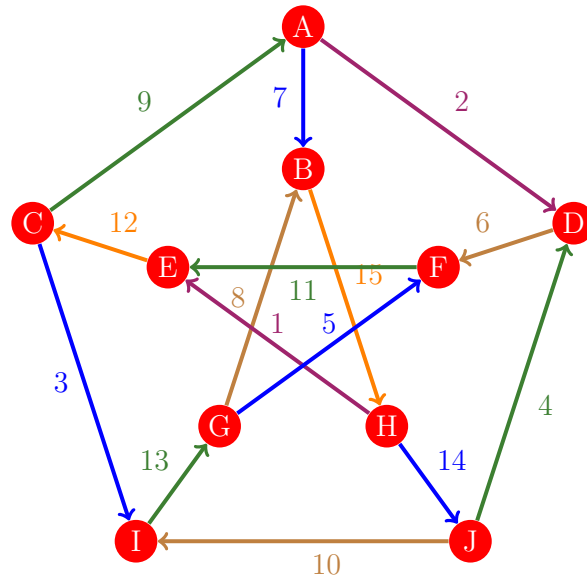


Figura 557: Flujo 549 de la gráfica de Petersen

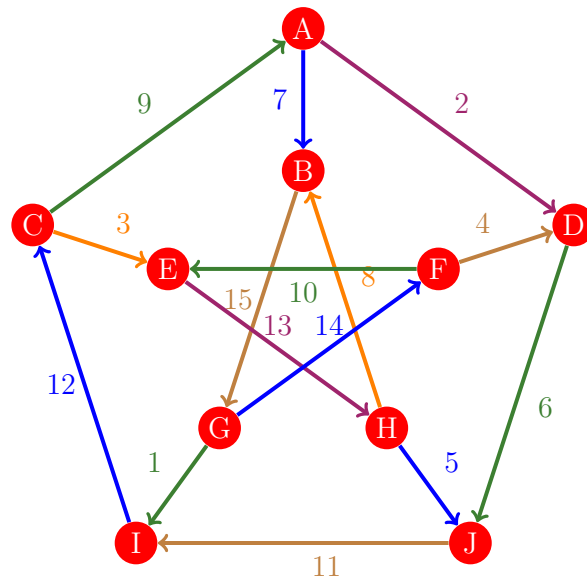


Figura 558: Flujo 550 de la gráfica de Petersen

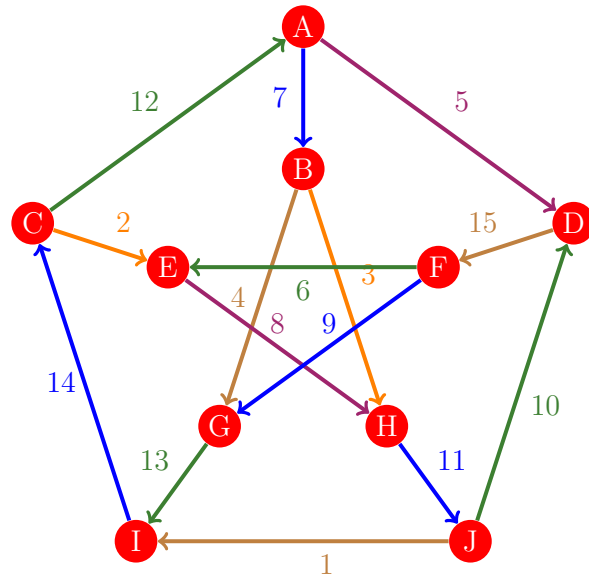


Figura 559: Flujo 551 de la gráfica de Petersen

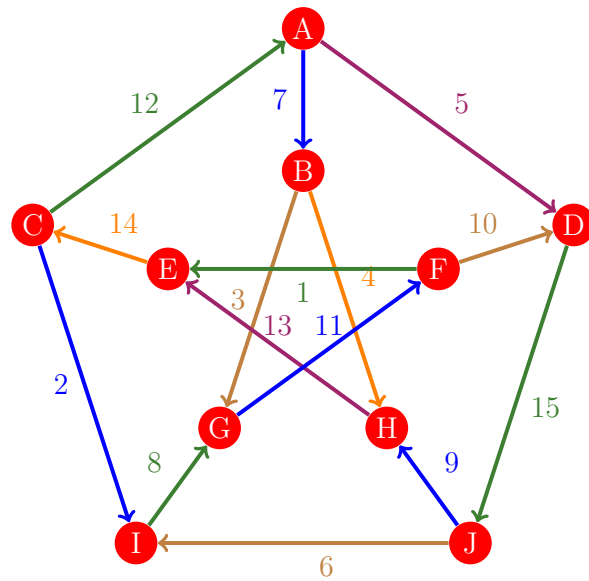


Figura 560: Flujo 552 de la gráfica de Petersen

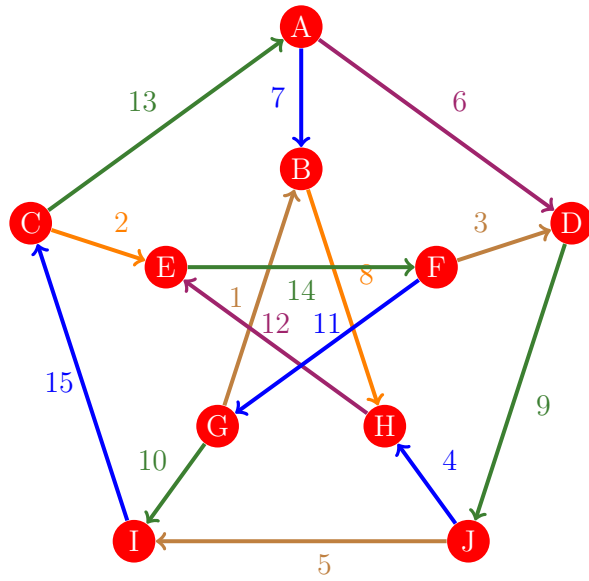


Figura 561: Flujo 553 de la gráfica de Petersen

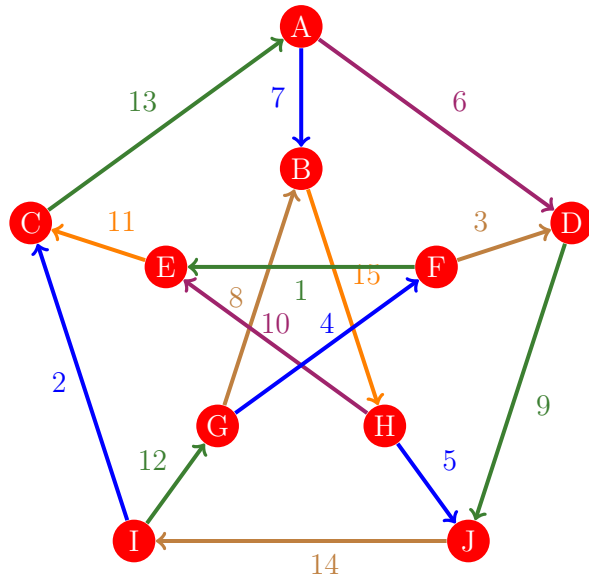


Figura 562: Flujo 554 de la gráfica de Petersen

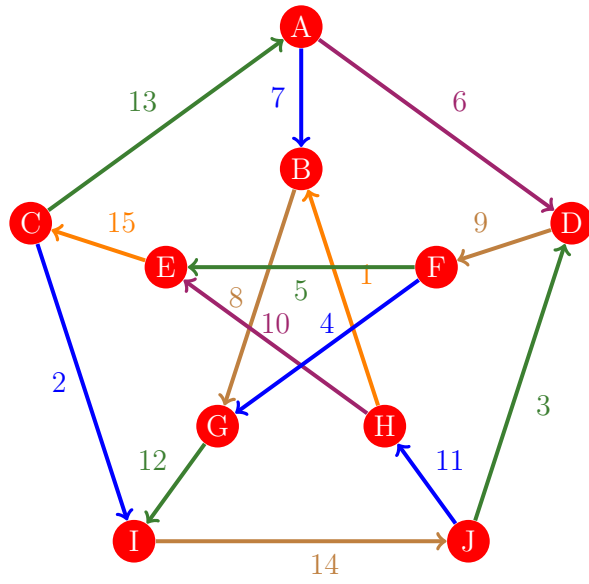


Figura 563: Flujo 555 de la gráfica de Petersen

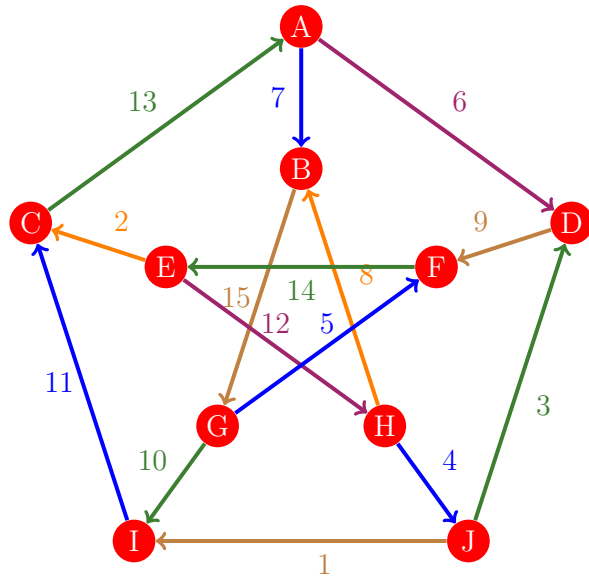


Figura 564: Flujo 556 de la gráfica de Petersen

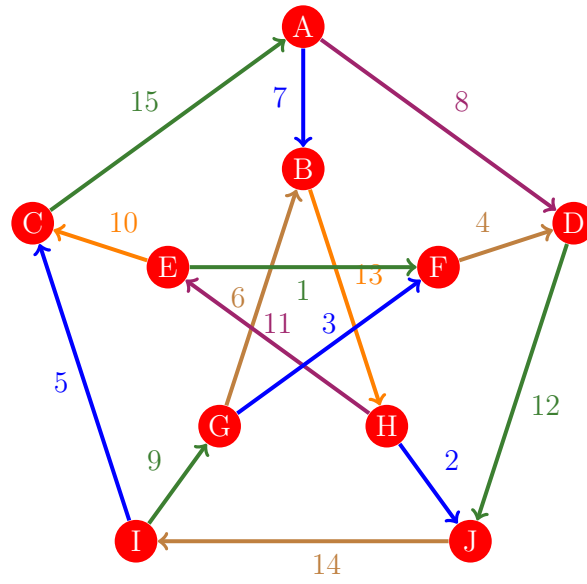


Figura 565: Flujo 557 de la gráfica de Petersen

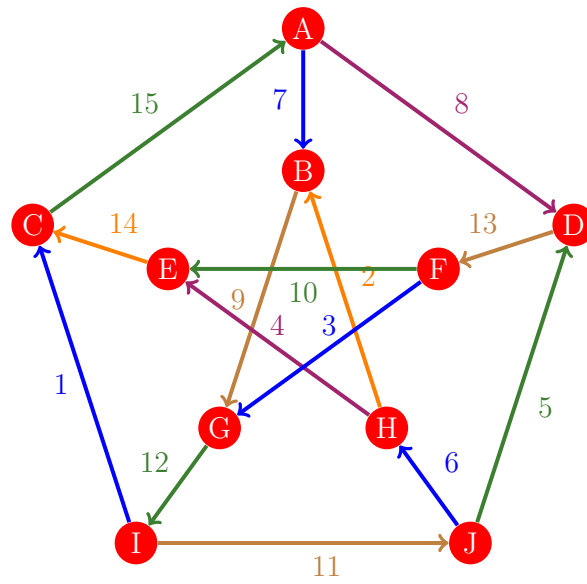


Figura 566: Flujo 558 de la gráfica de Petersen

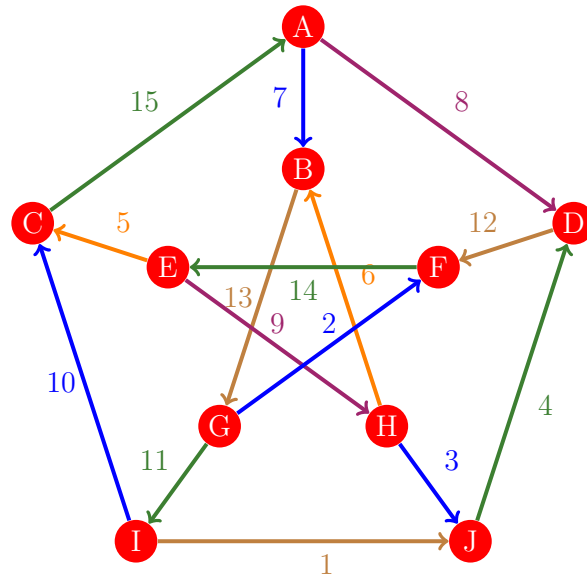


Figura 567: Flujo 559 de la gráfica de Petersen

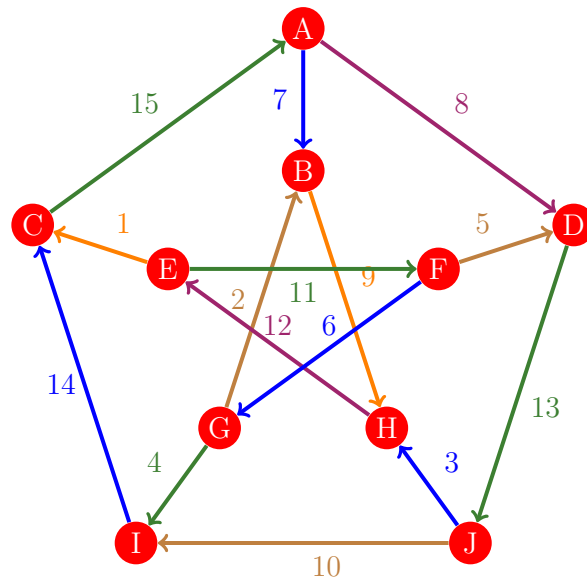


Figura 568: Flujo 560 de la gráfica de Petersen

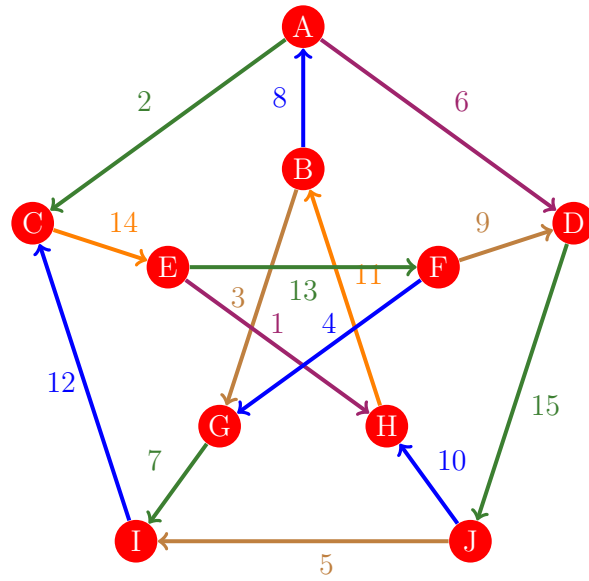


Figura 569: Flujo 561 de la gráfica de Petersen

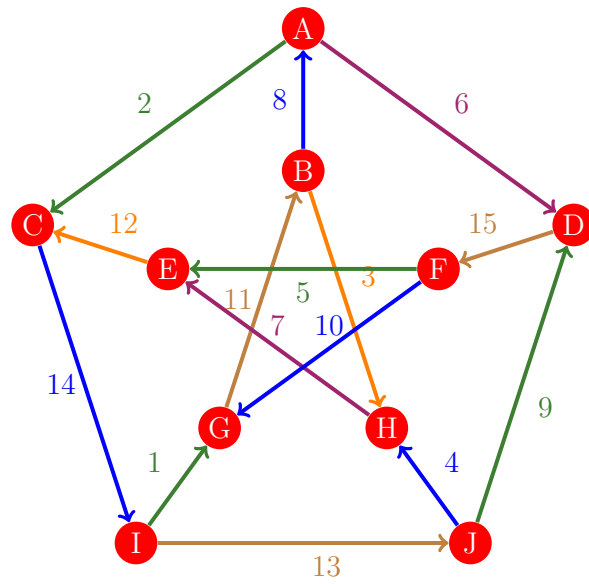


Figura 570: Flujo 562 de la gráfica de Petersen

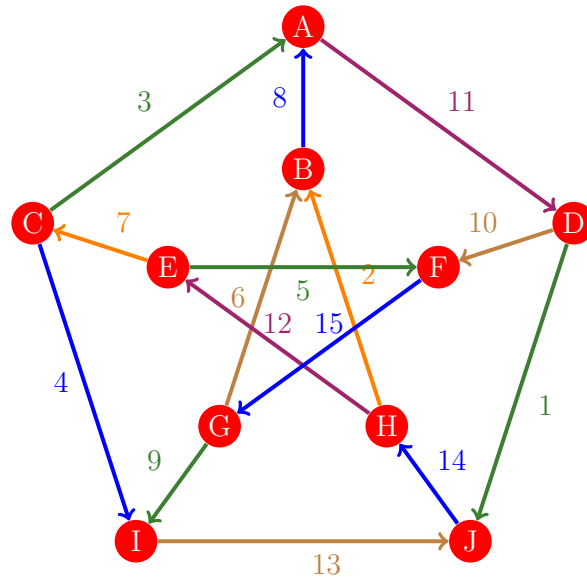


Figura 571: Flujo 563 de la gráfica de Petersen

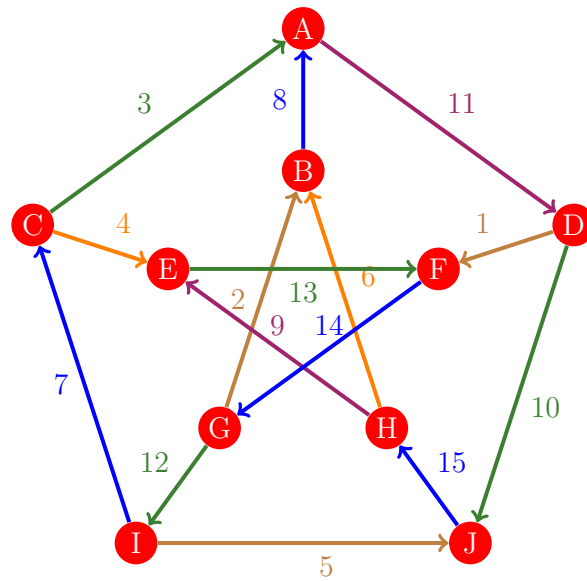


Figura 572: Flujo 564 de la gráfica de Petersen

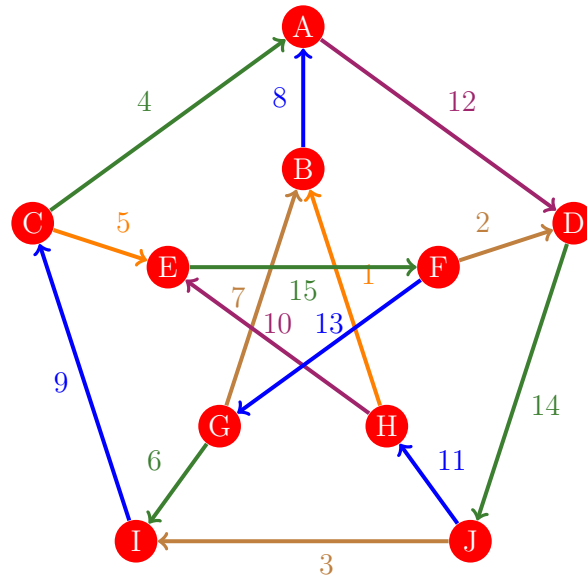


Figura 573: Flujo 565 de la gráfica de Petersen

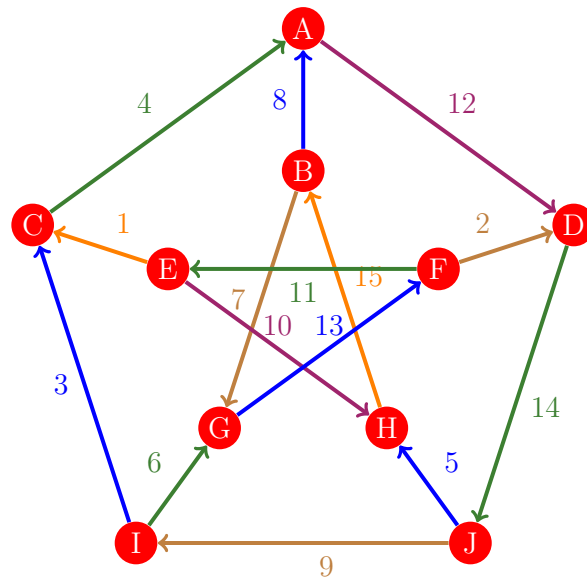


Figura 574: Flujo 566 de la gráfica de Petersen

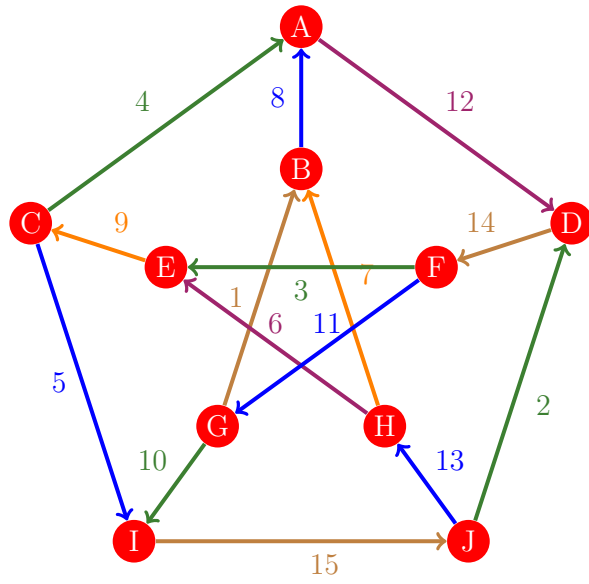


Figura 575: Flujo 567 de la gráfica de Petersen

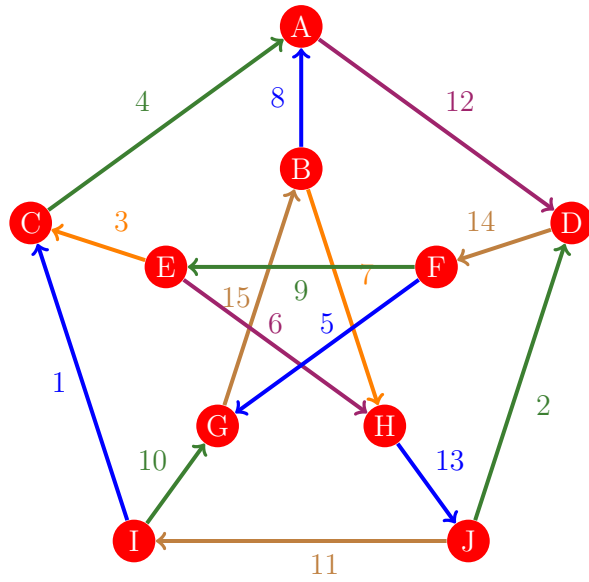


Figura 576: Flujo 568 de la gráfica de Petersen

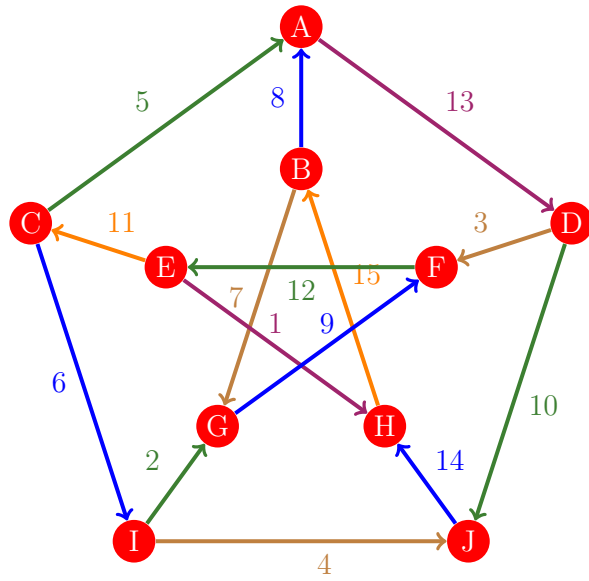


Figura 577: Flujo 569 de la gráfica de Petersen

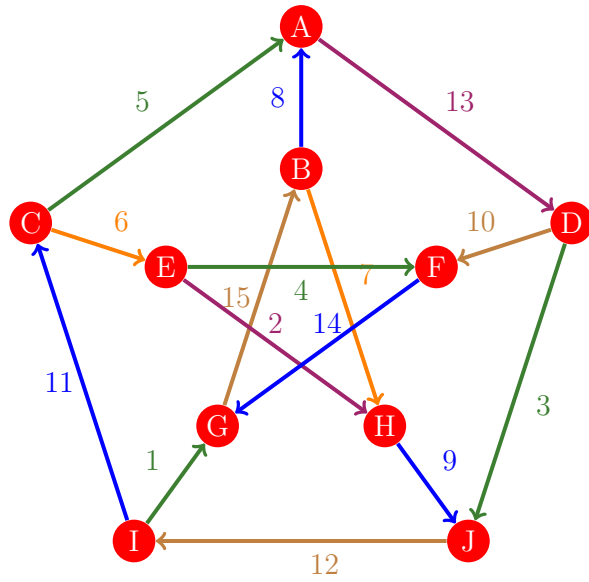


Figura 578: Flujo 570 de la gráfica de Petersen

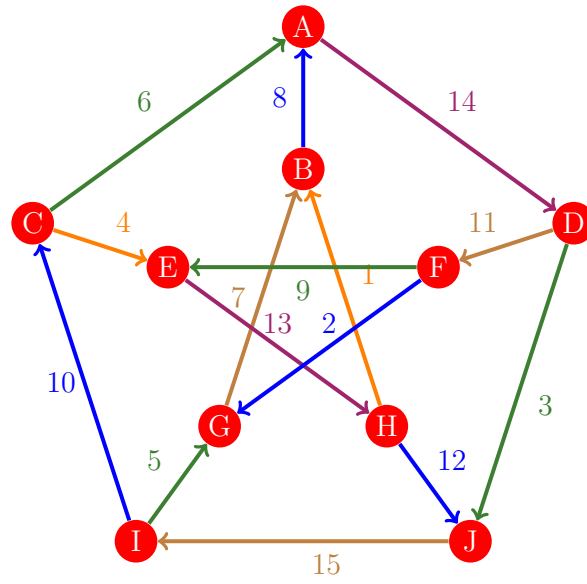


Figura 579: Flujo 571 de la gráfica de Petersen

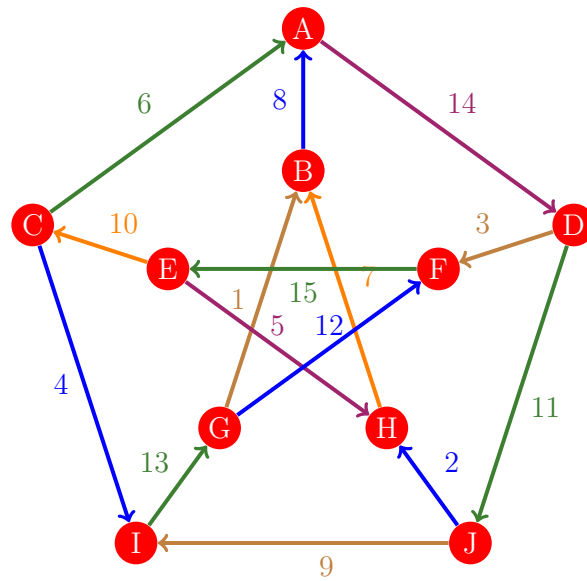


Figura 580: Flujo 572 de la gráfica de Petersen

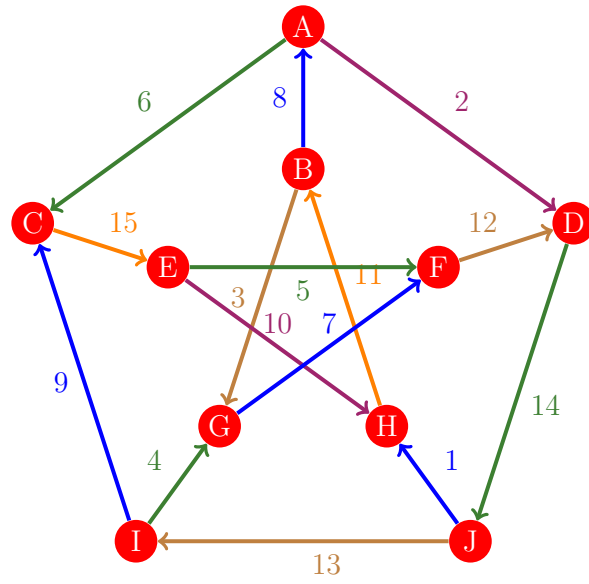


Figura 581: Flujo 573 de la gráfica de Petersen

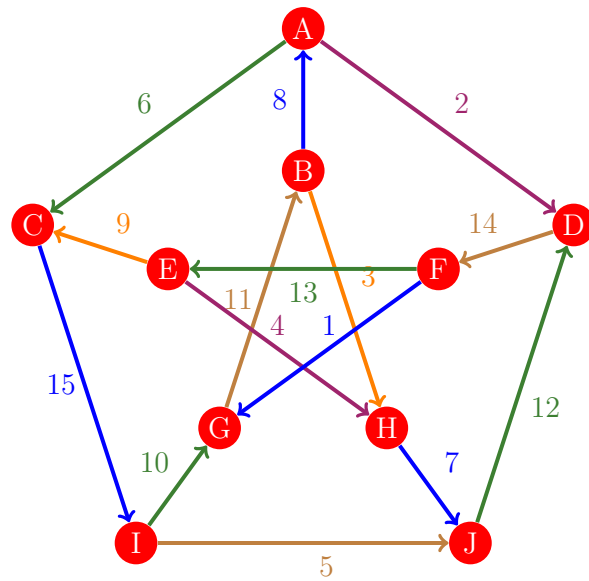


Figura 582: Flujo 574 de la gráfica de Petersen

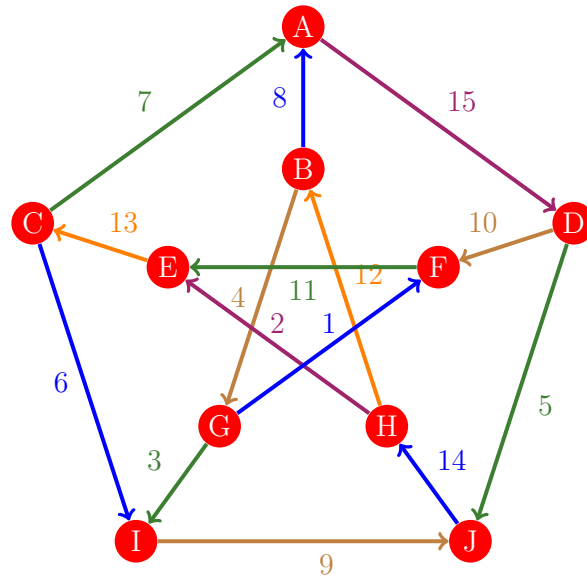


Figura 583: Flujo 575 de la gráfica de Petersen

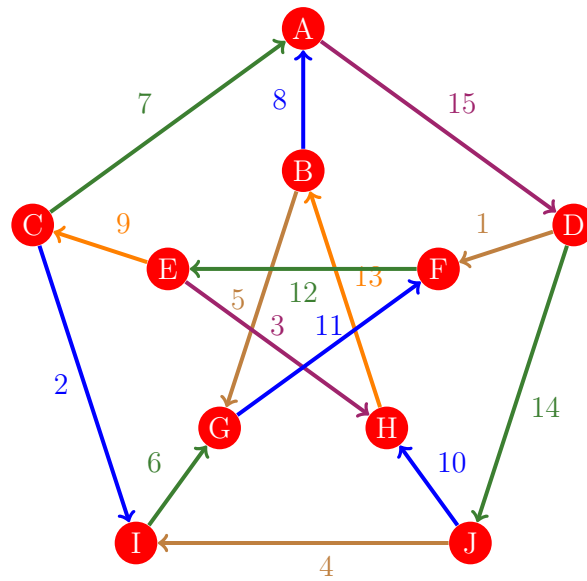


Figura 584: Flujo 576 de la gráfica de Petersen

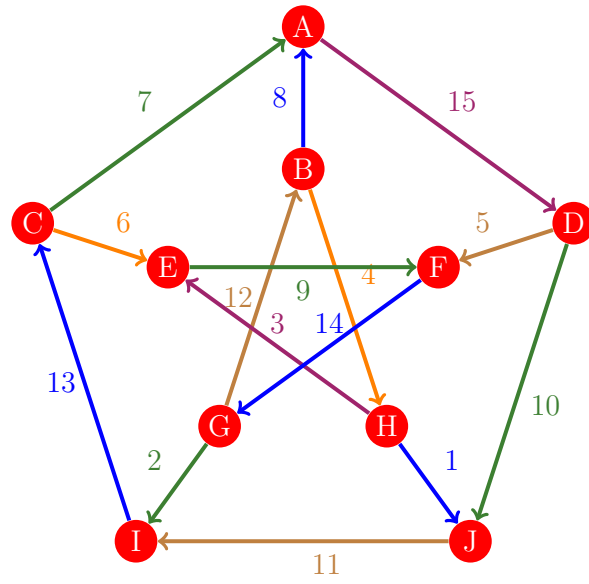


Figura 585: Flujo 577 de la gráfica de Petersen

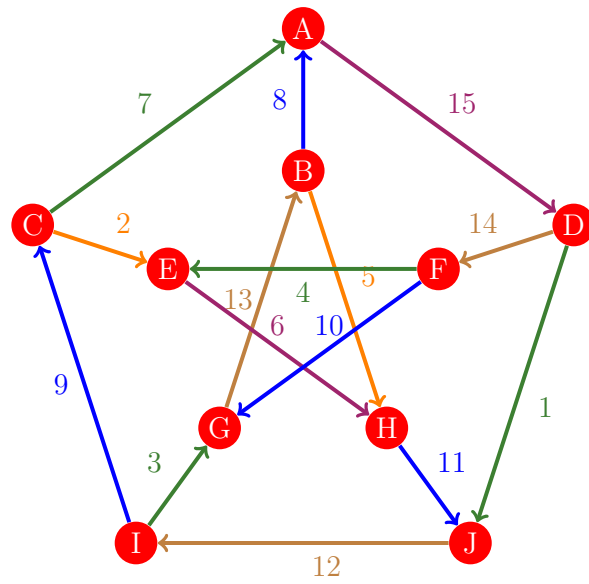


Figura 586: Flujo 578 de la gráfica de Petersen

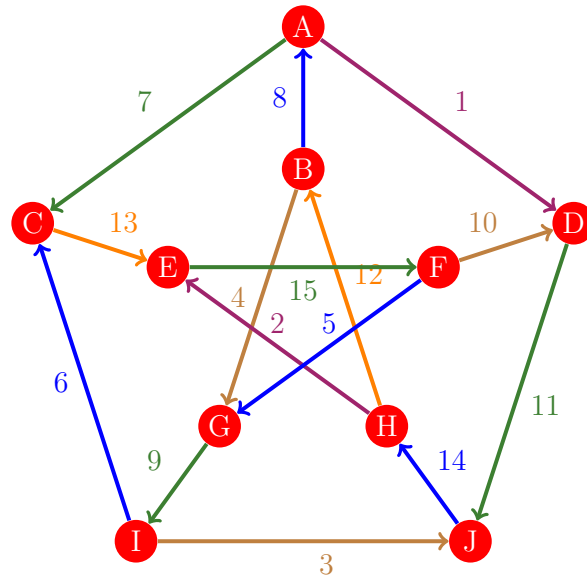


Figura 587: Flujo 579 de la gráfica de Petersen

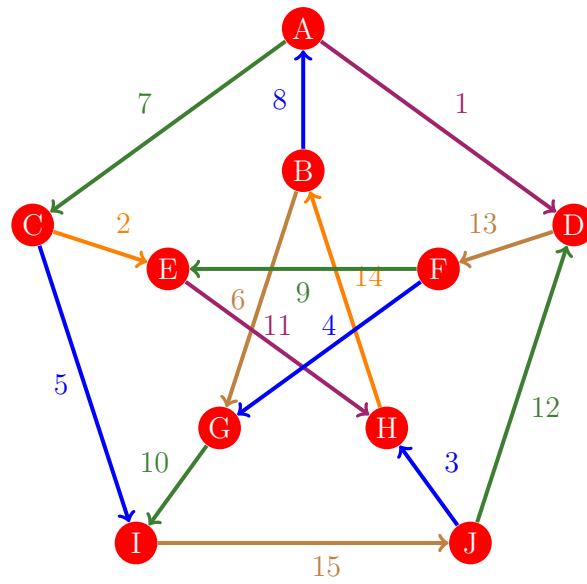


Figura 588: Flujo 580 de la gráfica de Petersen

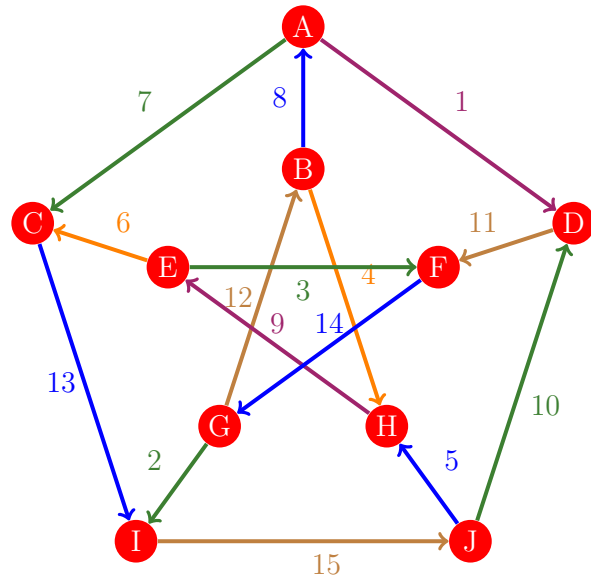


Figura 589: Flujo 581 de la gráfica de Petersen

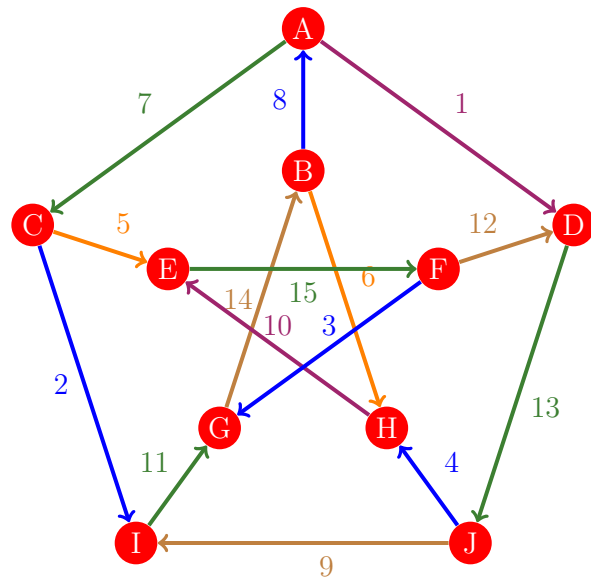


Figura 590: Flujo 582 de la gráfica de Petersen

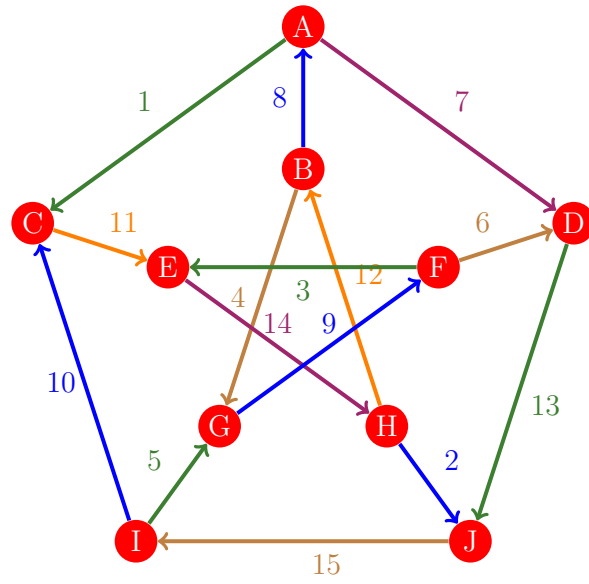


Figura 591: Flujo 583 de la gráfica de Petersen

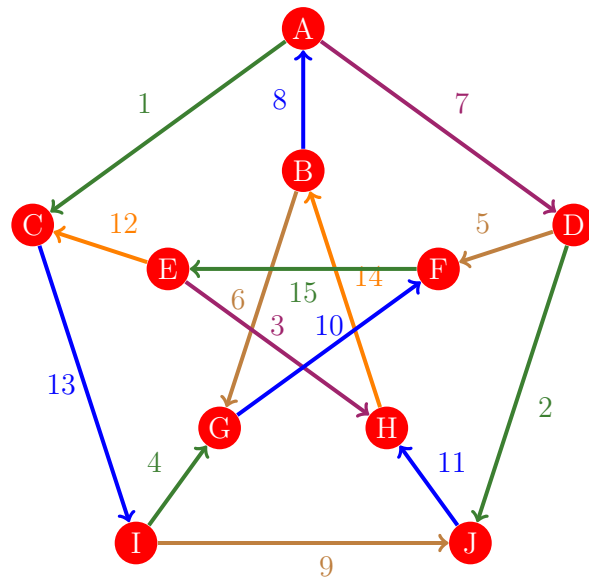


Figura 592: Flujo 584 de la gráfica de Petersen

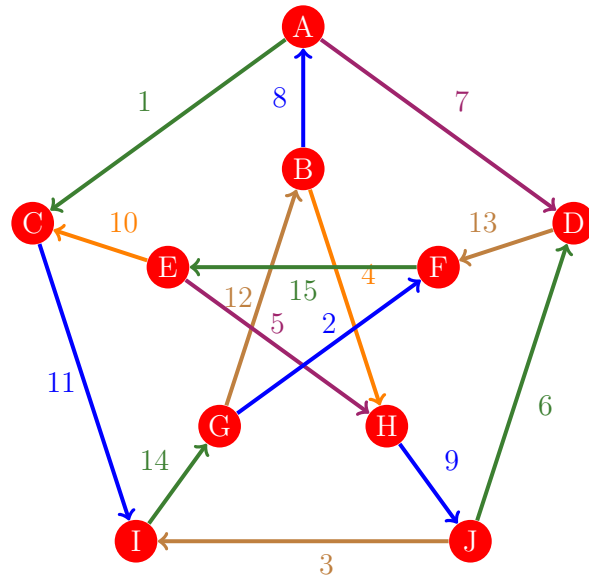


Figura 593: Flujo 585 de la gráfica de Petersen

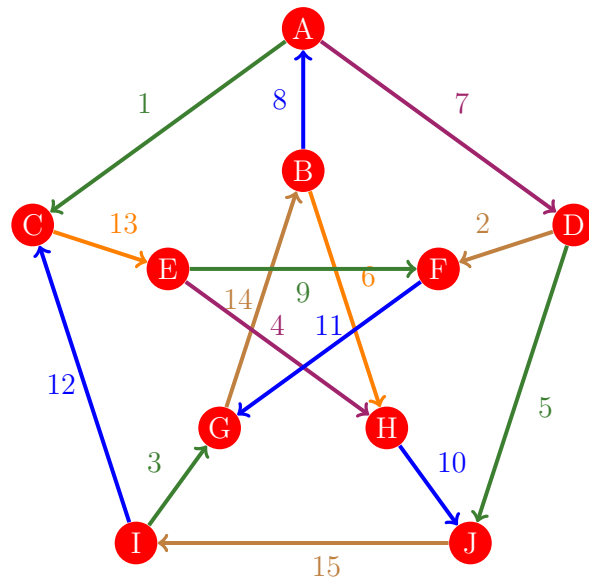


Figura 594: Flujo 586 de la gráfica de Petersen

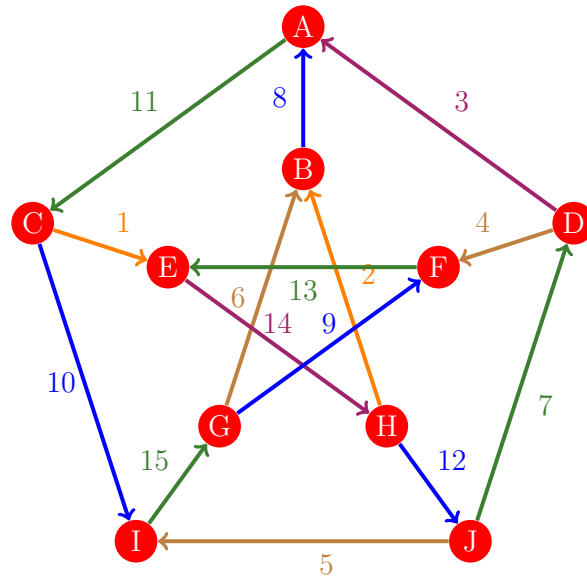


Figura 595: Flujo 587 de la gráfica de Petersen

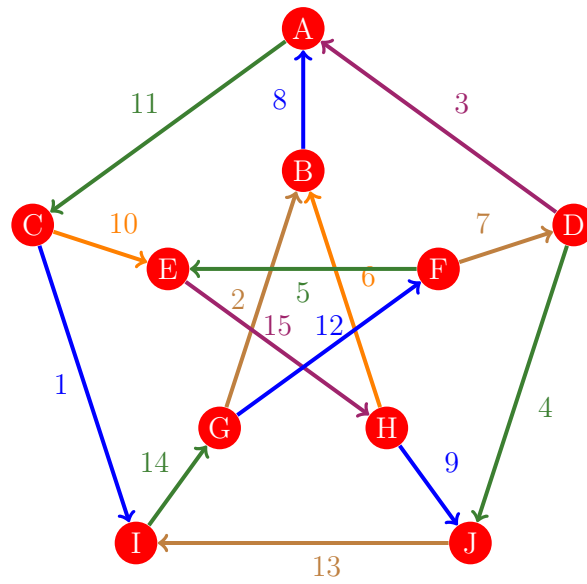


Figura 596: Flujo 588 de la gráfica de Petersen

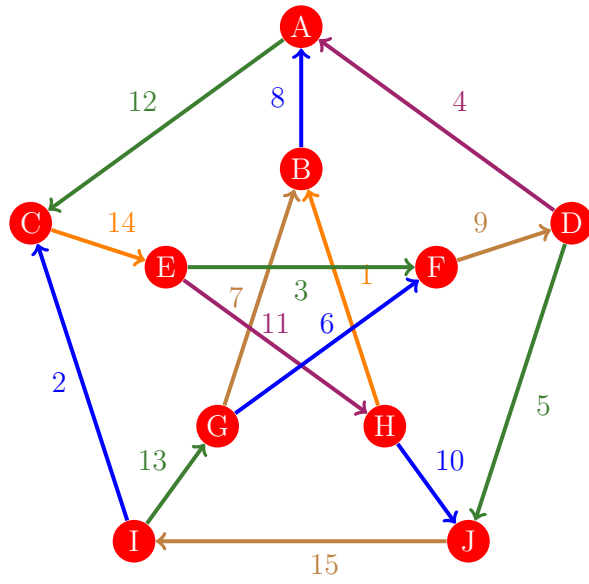


Figura 597: Flujo 589 de la gráfica de Petersen

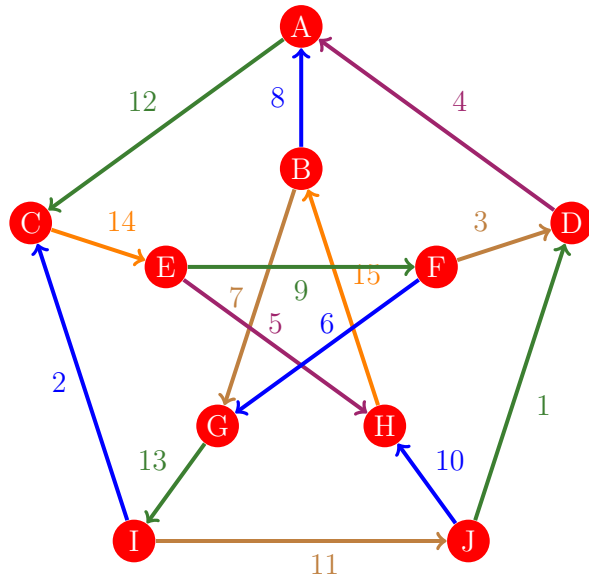


Figura 598: Flujo 590 de la gráfica de Petersen

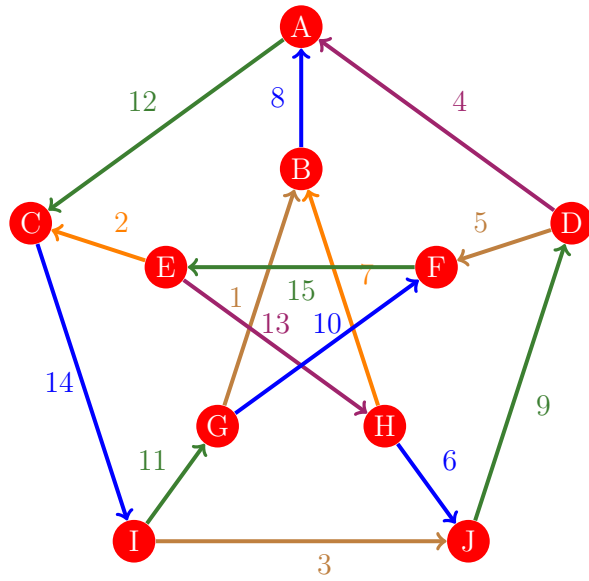


Figura 599: Flujo 591 de la gráfica de Petersen

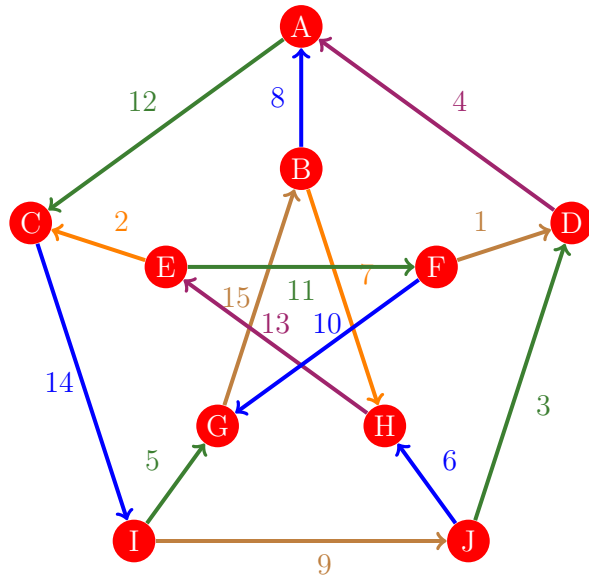


Figura 600: Flujo 592 de la gráfica de Petersen

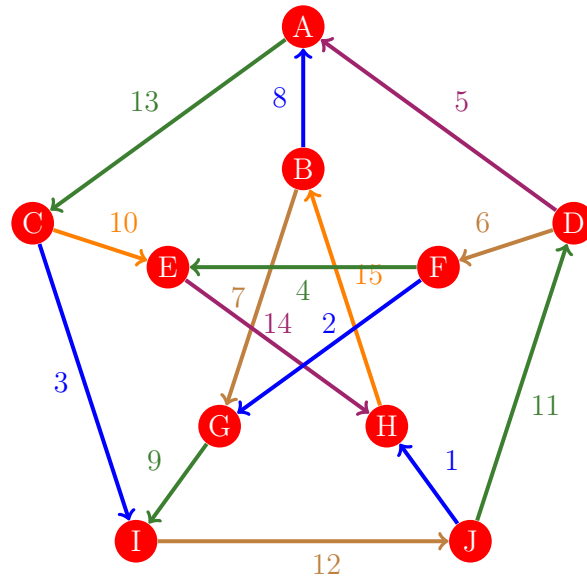


Figura 601: Flujo 593 de la gráfica de Petersen

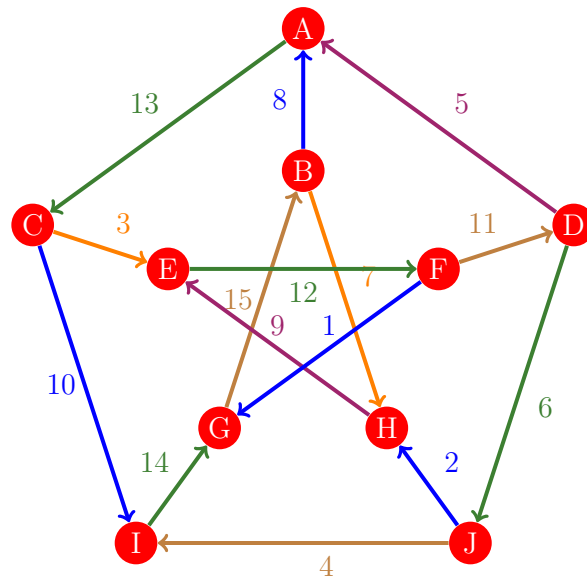


Figura 602: Flujo 594 de la gráfica de Petersen

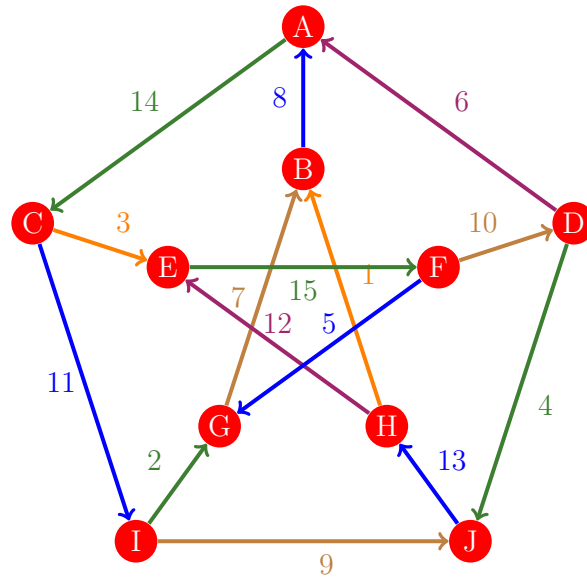


Figura 603: Flujo 595 de la gráfica de Petersen

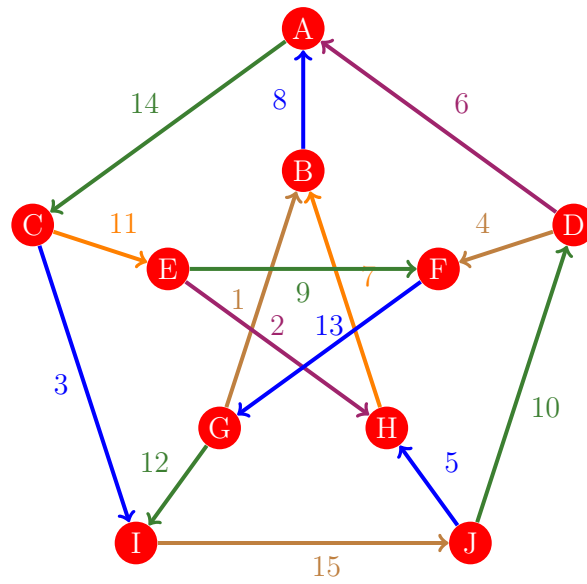


Figura 604: Flujo 596 de la gráfica de Petersen

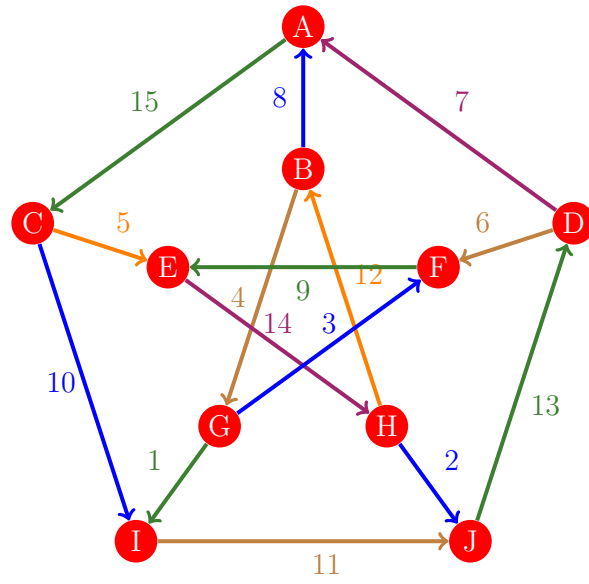


Figura 605: Flujo 597 de la gráfica de Petersen

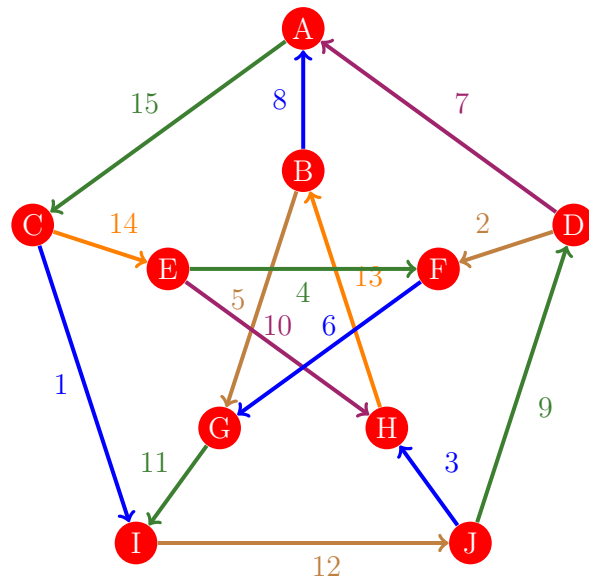


Figura 606: Flujo 598 de la gráfica de Petersen

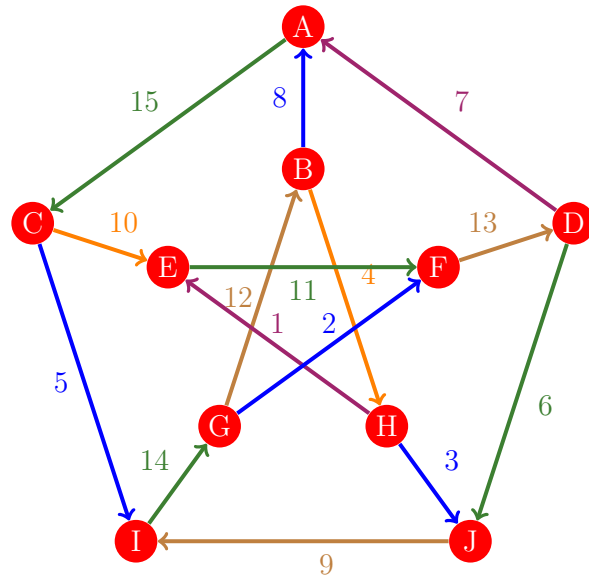


Figura 607: Flujo 599 de la gráfica de Petersen

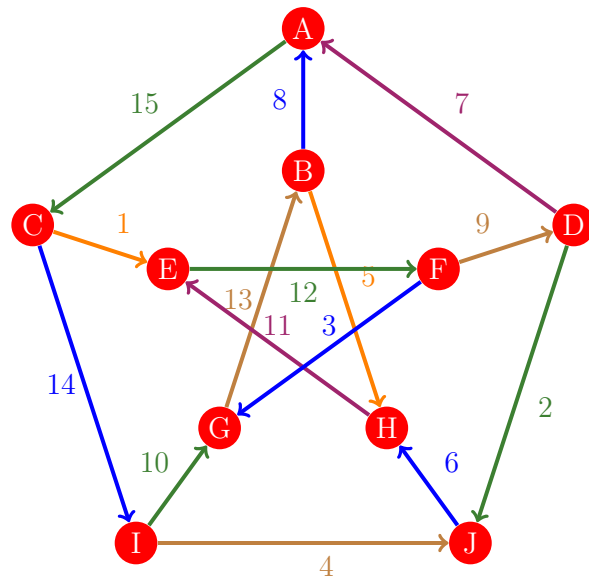


Figura 608: Flujo 600 de la gráfica de Petersen

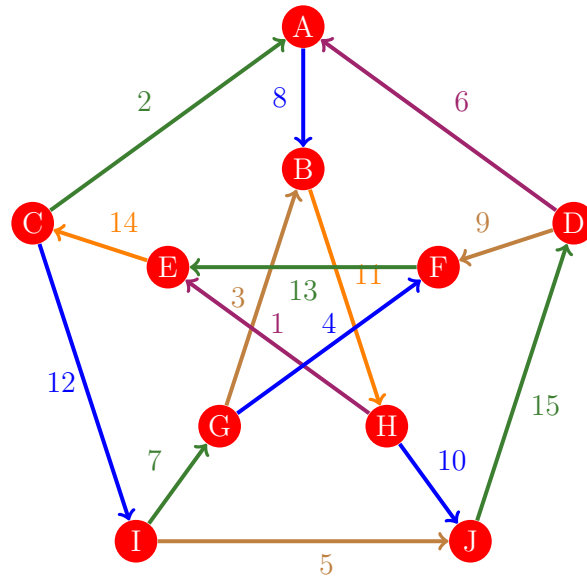


Figura 609: Flujo 601 de la gráfica de Petersen

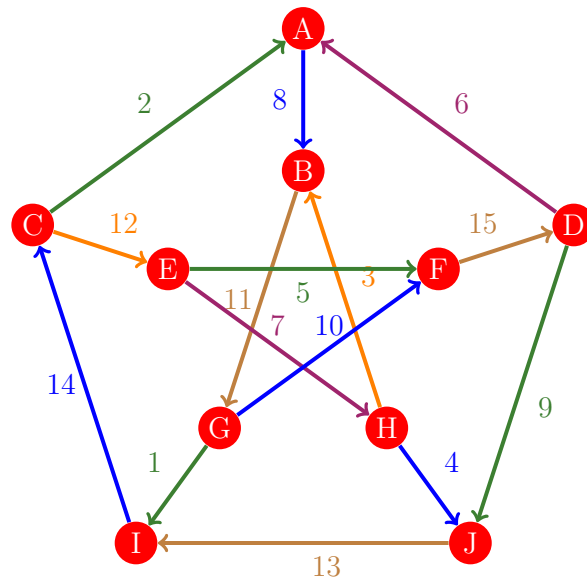


Figura 610: Flujo 602 de la gráfica de Petersen

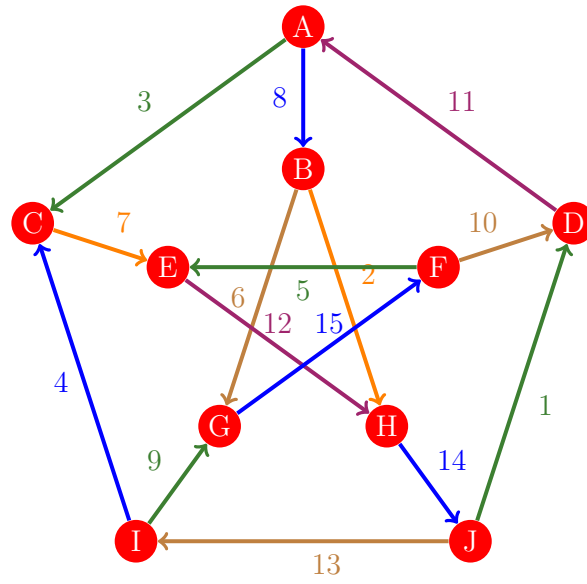


Figura 611: Flujo 603 de la gráfica de Petersen

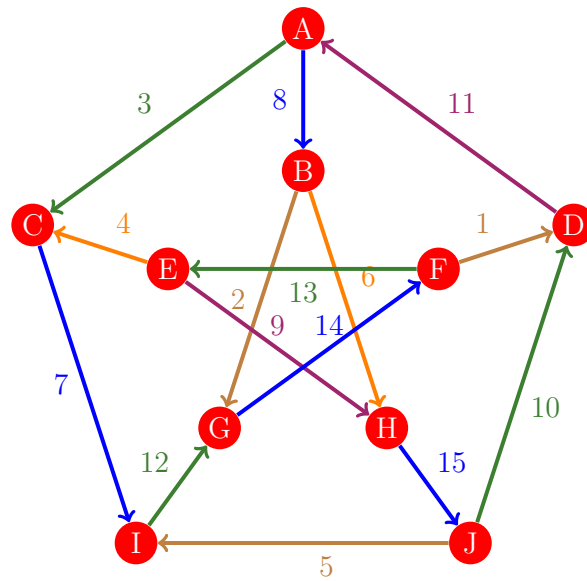


Figura 612: Flujo 604 de la gráfica de Petersen

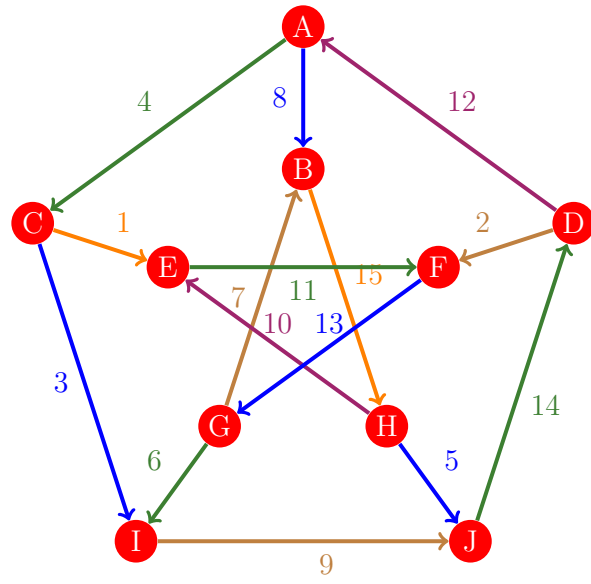


Figura 613: Flujo 605 de la gráfica de Petersen

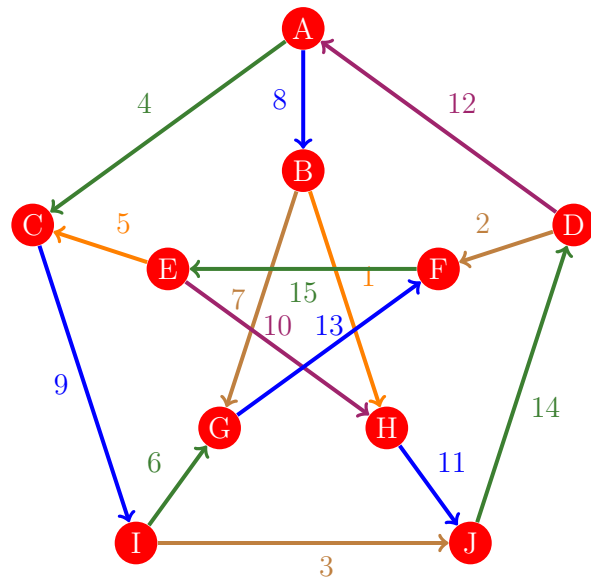


Figura 614: Flujo 606 de la gráfica de Petersen

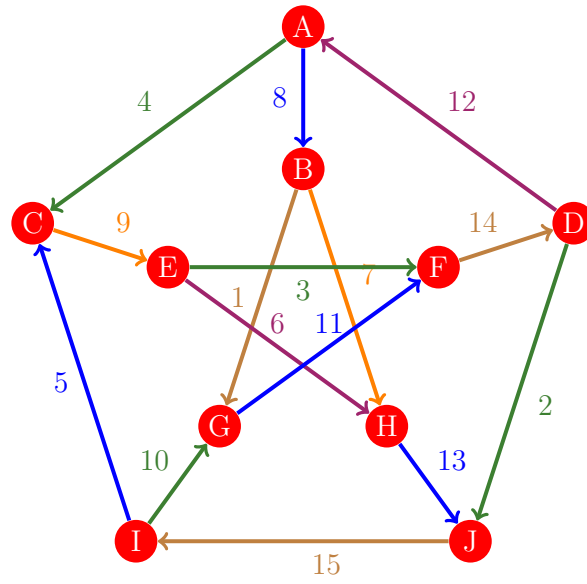


Figura 615: Flujo 607 de la gráfica de Petersen

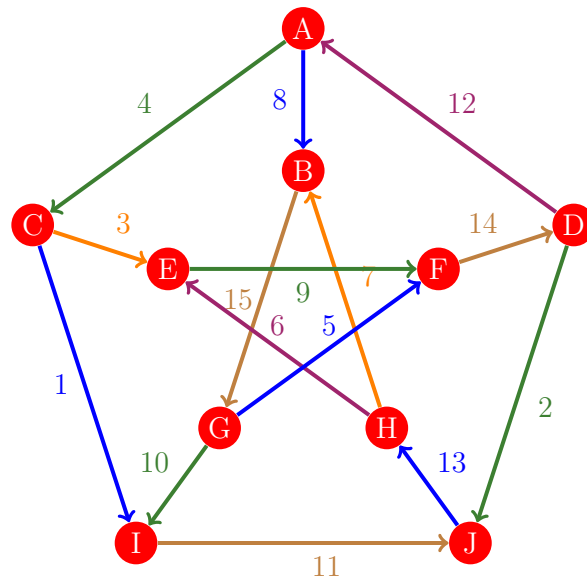


Figura 616: Flujo 608 de la gráfica de Petersen

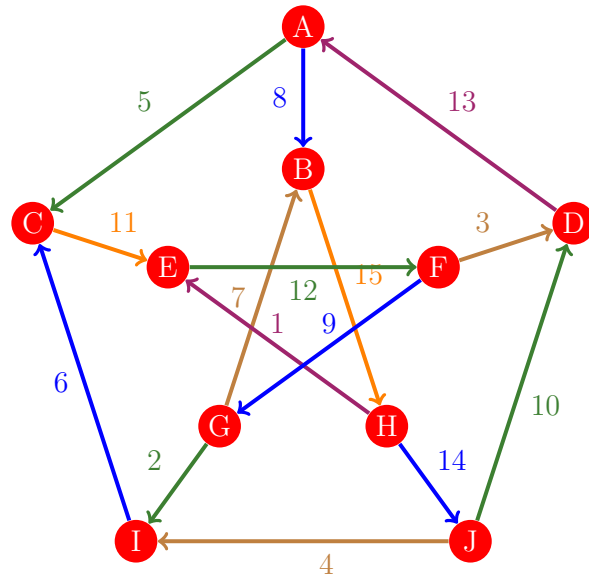


Figura 617: Flujo 609 de la gráfica de Petersen

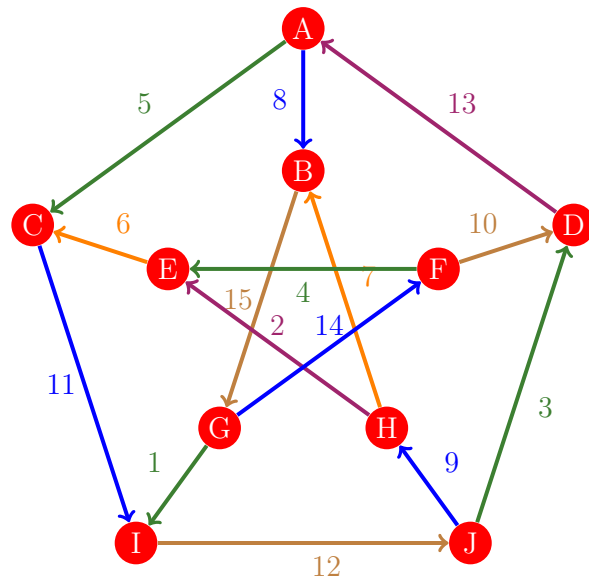


Figura 618: Flujo 610 de la gráfica de Petersen

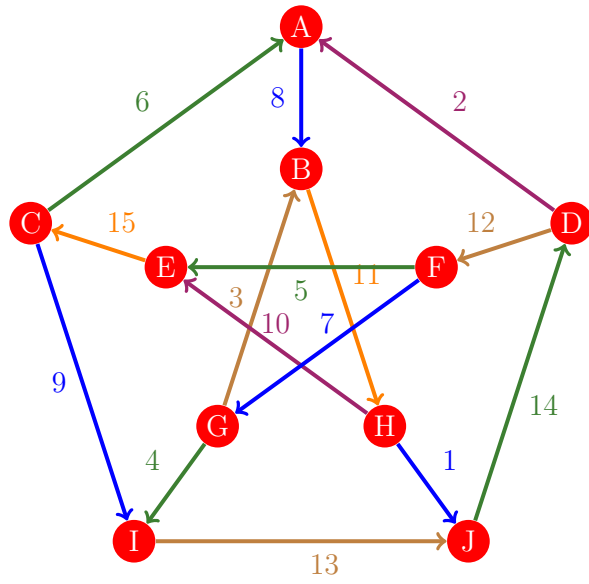


Figura 619: Flujo 611 de la gráfica de Petersen

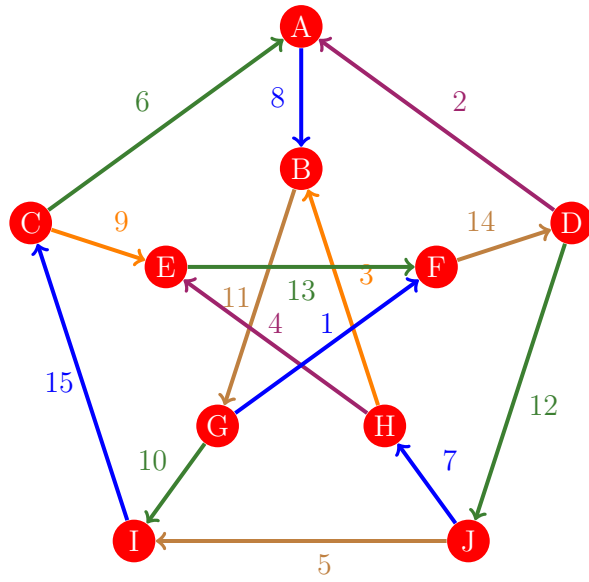


Figura 620: Flujo 612 de la gráfica de Petersen

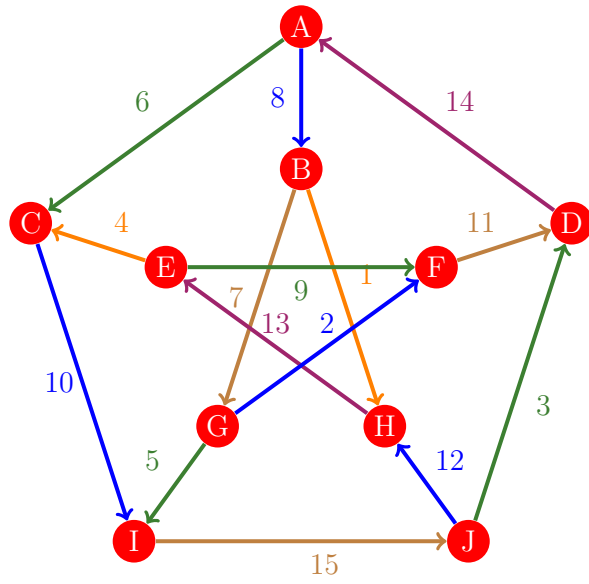


Figura 621: Flujo 613 de la gráfica de Petersen

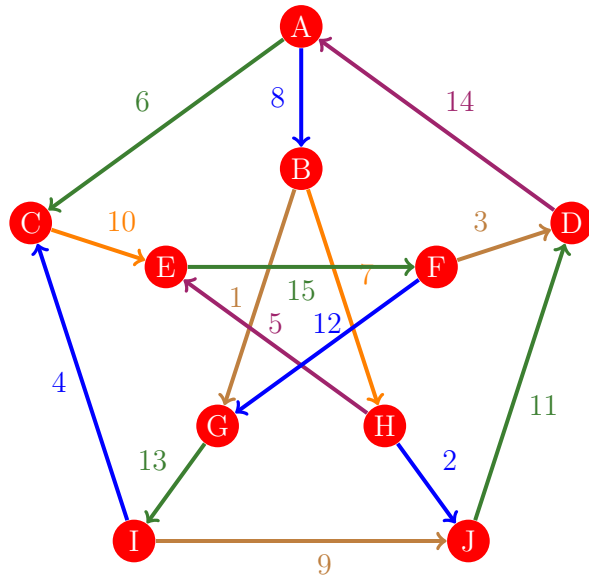


Figura 622: Flujo 614 de la gráfica de Petersen

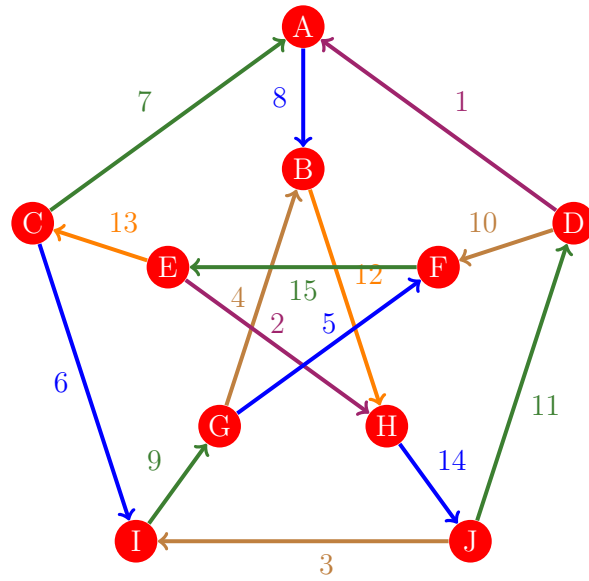


Figura 623: Flujo 615 de la gráfica de Petersen

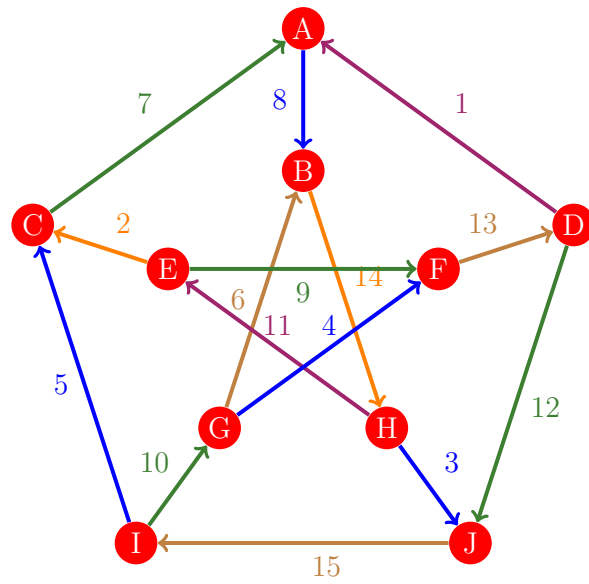


Figura 624: Flujo 616 de la gráfica de Petersen

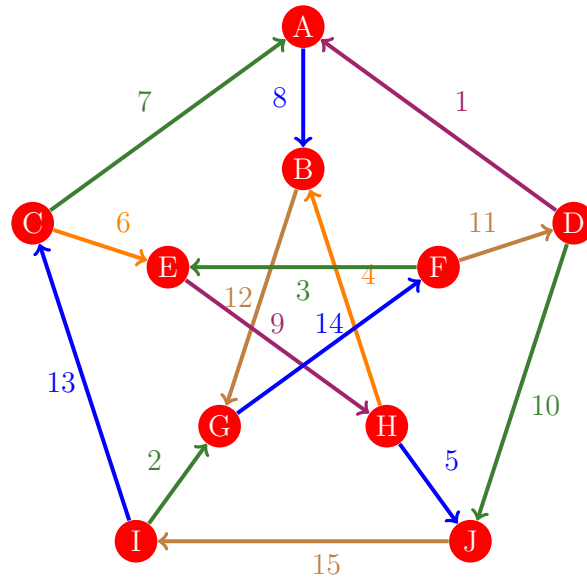


Figura 625: Flujo 617 de la gráfica de Petersen

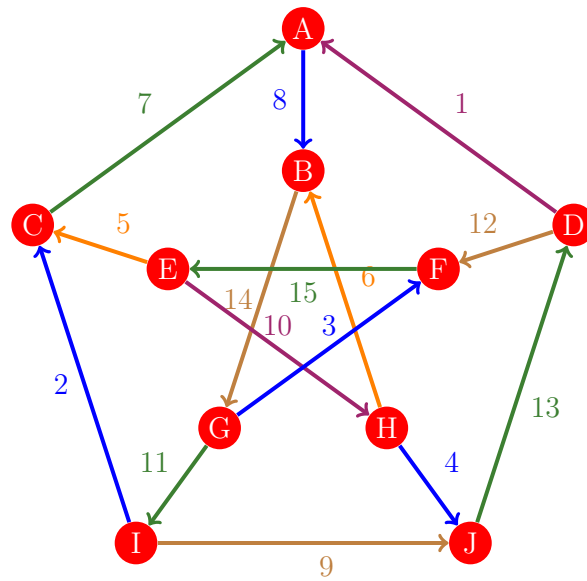


Figura 626: Flujo 618 de la gráfica de Petersen

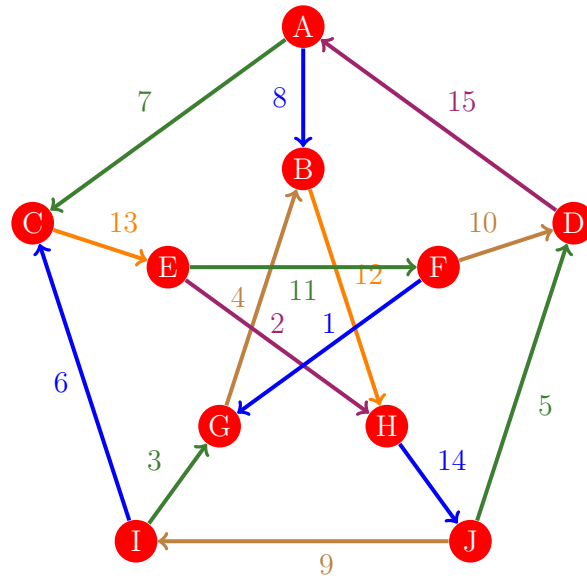


Figura 627: Flujo 619 de la gráfica de Petersen

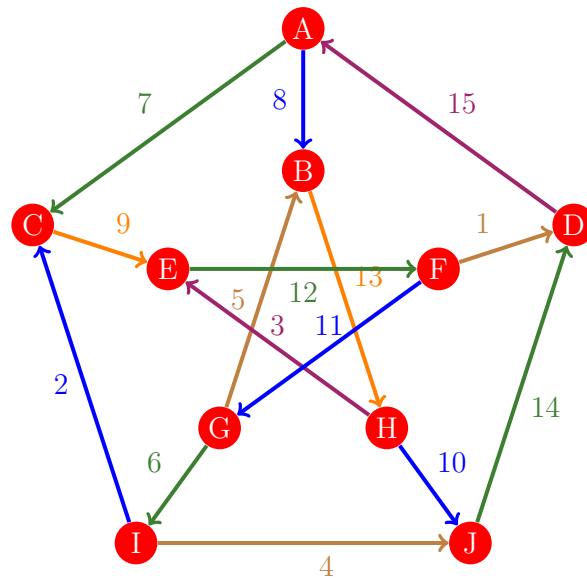


Figura 628: Flujo 620 de la gráfica de Petersen

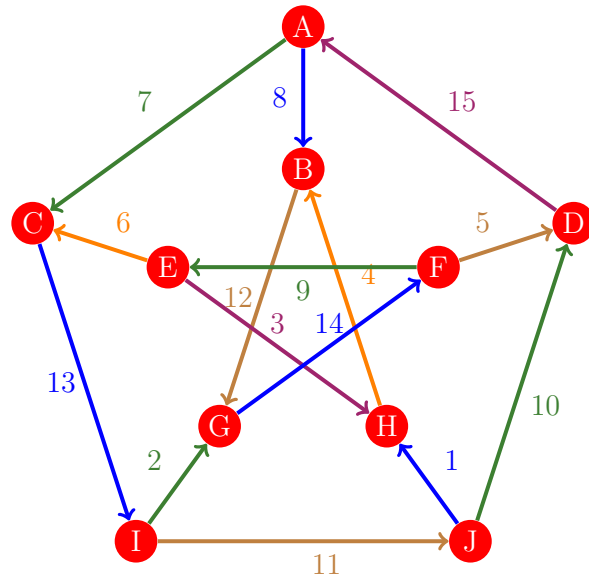


Figura 629: Flujo 621 de la gráfica de Petersen

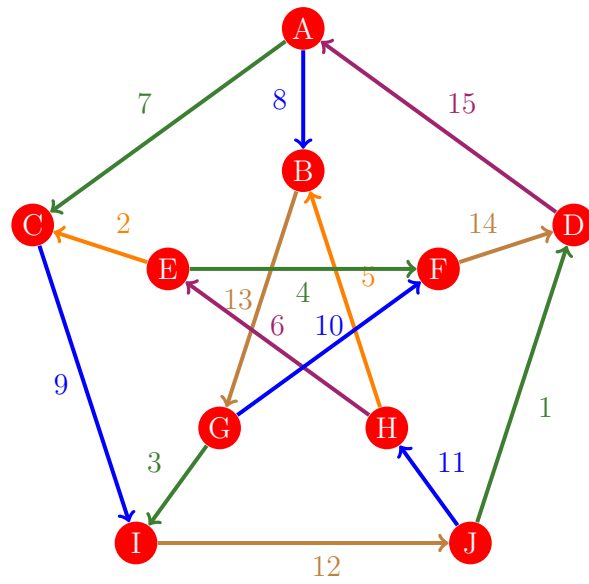


Figura 630: Flujo 622 de la gráfica de Petersen

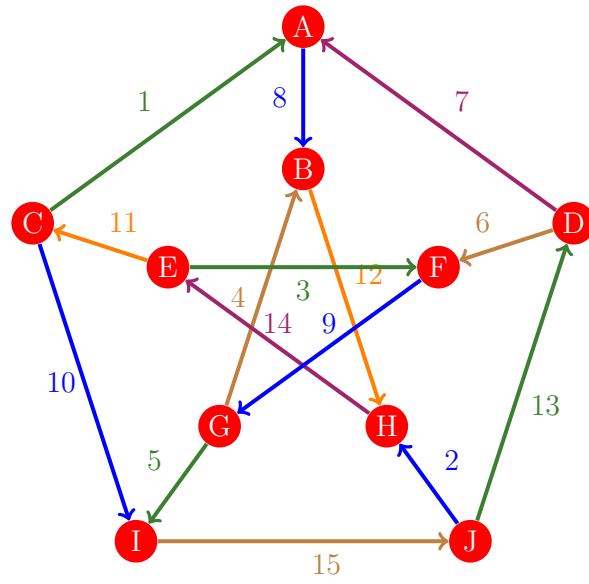


Figura 631: Flujo 623 de la gráfica de Petersen

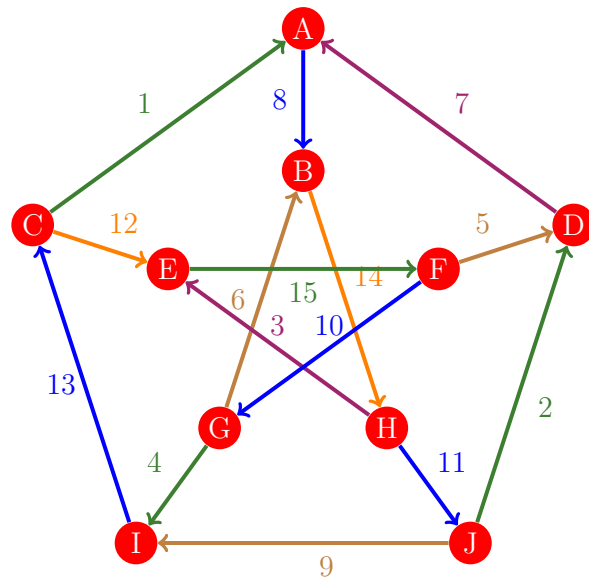


Figura 632: Flujo 624 de la gráfica de Petersen

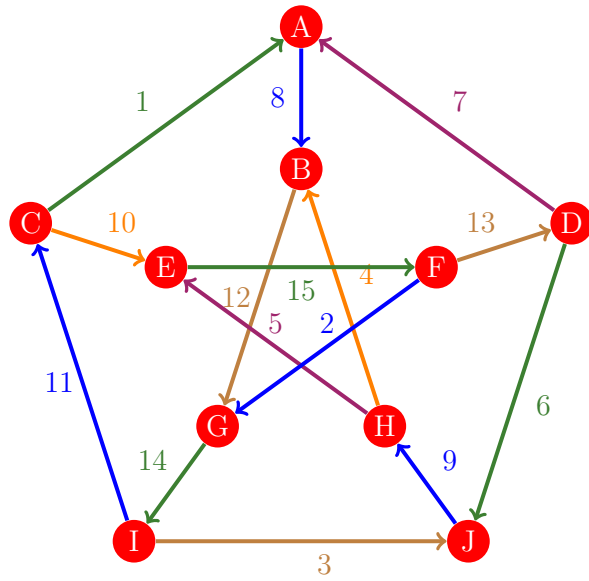


Figura 633: Flujo 625 de la gráfica de Petersen

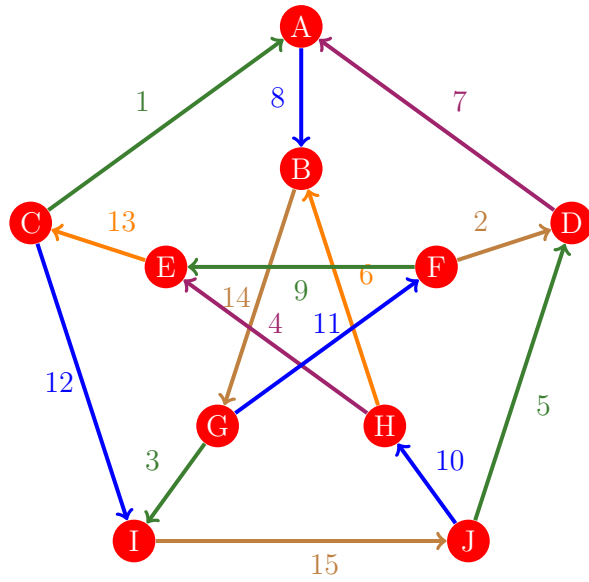


Figura 634: Flujo 626 de la gráfica de Petersen

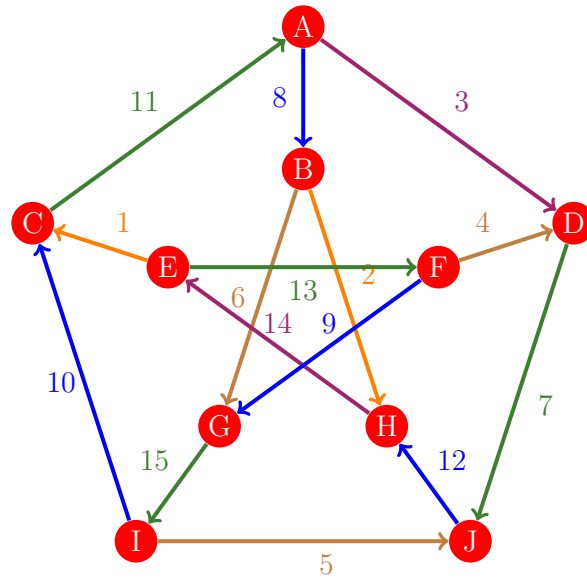


Figura 635: Flujo 627 de la gráfica de Petersen

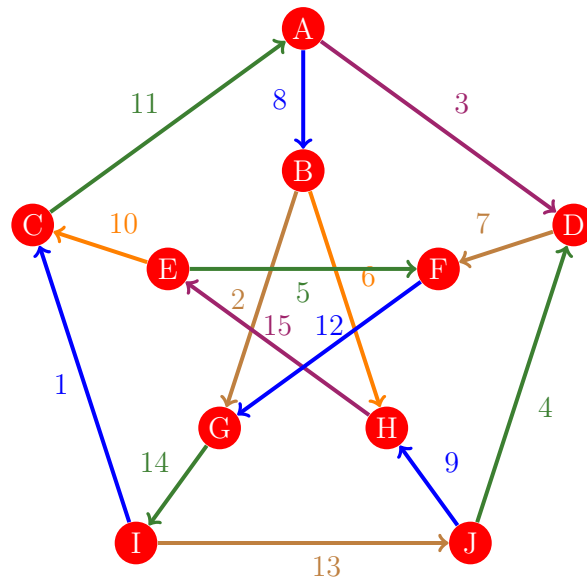


Figura 636: Flujo 628 de la gráfica de Petersen

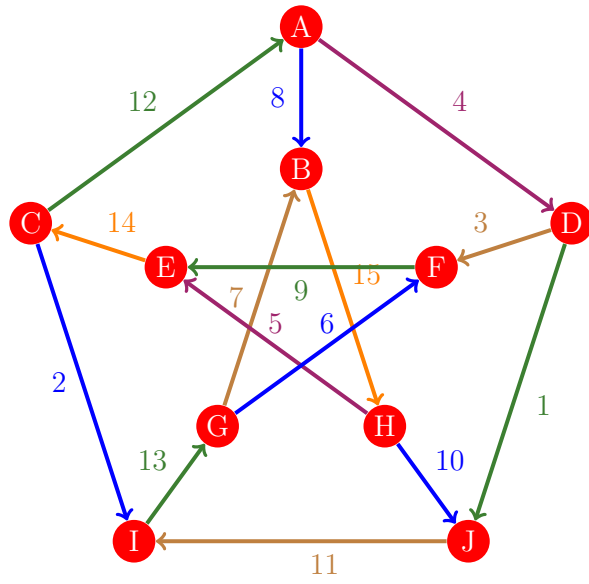


Figura 637: Flujo 629 de la gráfica de Petersen

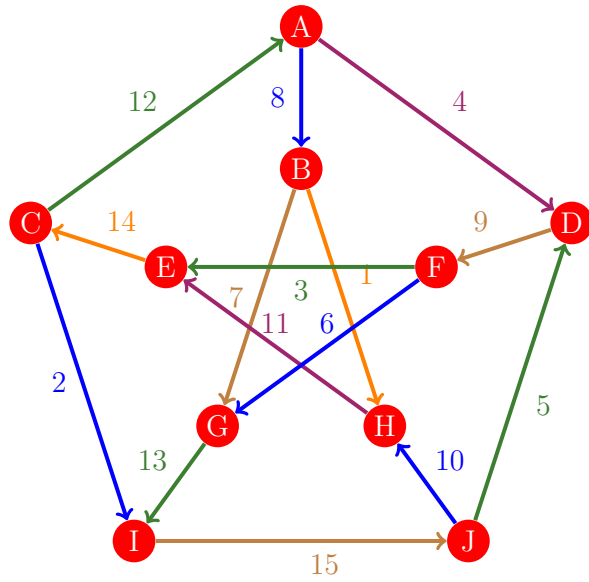


Figura 638: Flujo 630 de la gráfica de Petersen

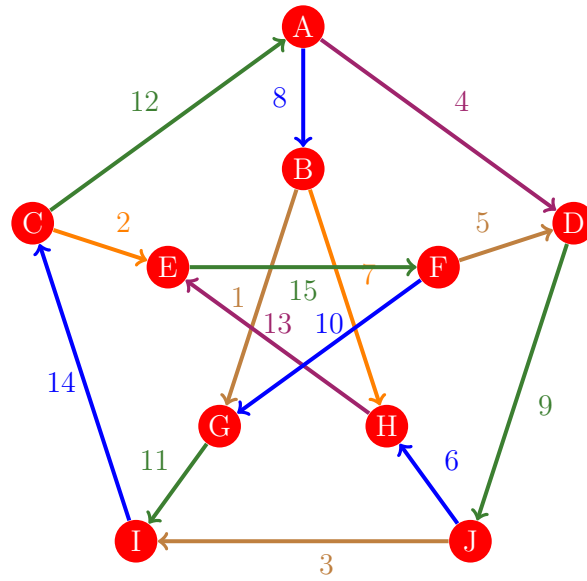


Figura 639: Flujo 631 de la gráfica de Petersen

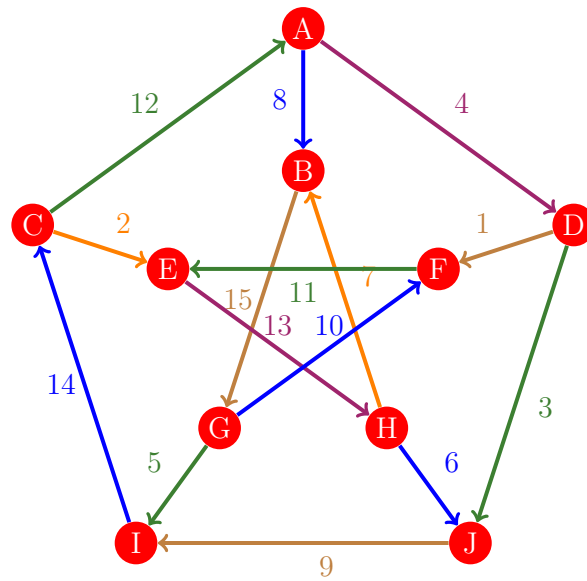


Figura 640: Flujo 632 de la gráfica de Petersen

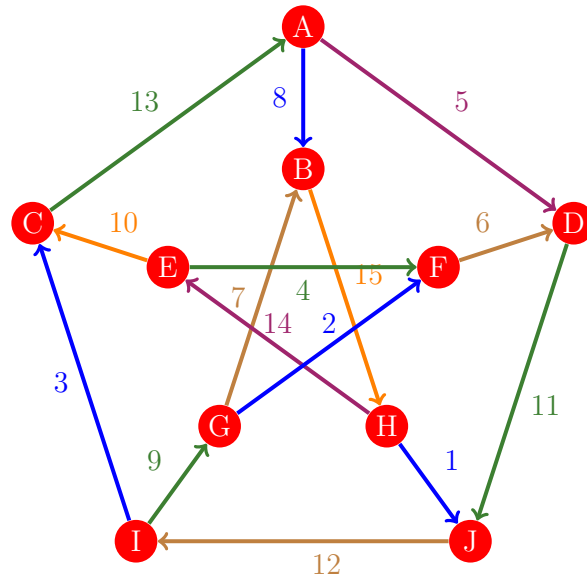


Figura 641: Flujo 633 de la gráfica de Petersen

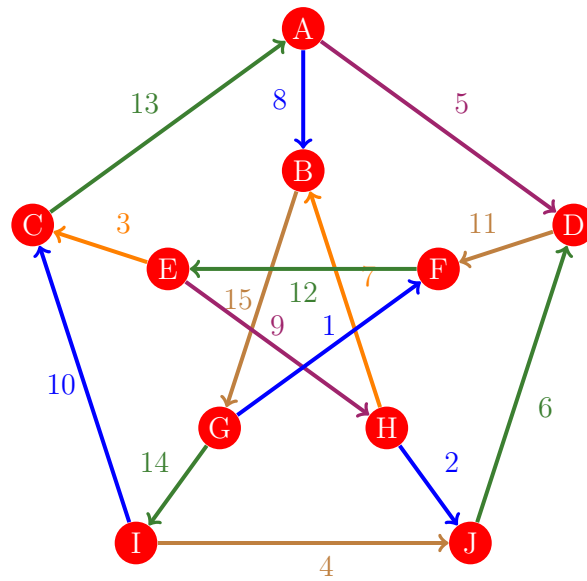


Figura 642: Flujo 634 de la gráfica de Petersen

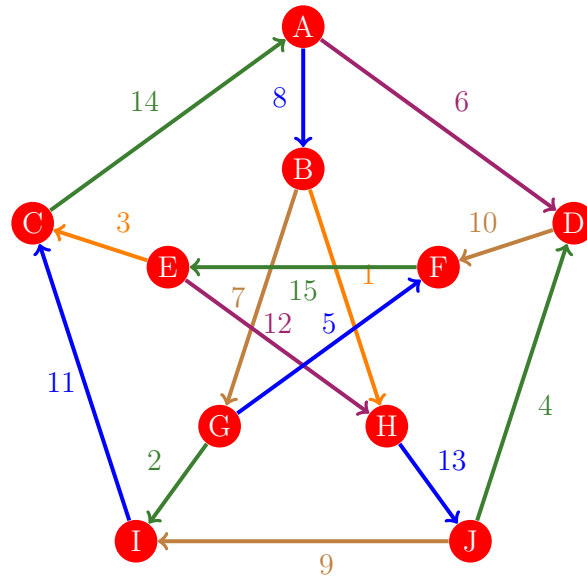


Figura 643: Flujo 635 de la gráfica de Petersen

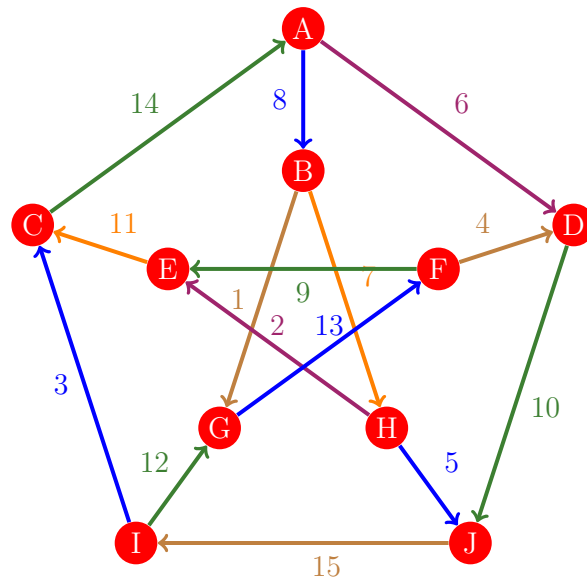


Figura 644: Flujo 636 de la gráfica de Petersen

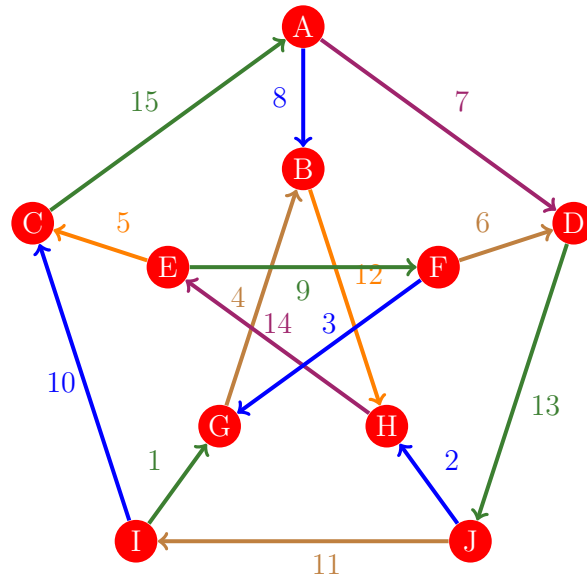


Figura 645: Flujo 637 de la gráfica de Petersen

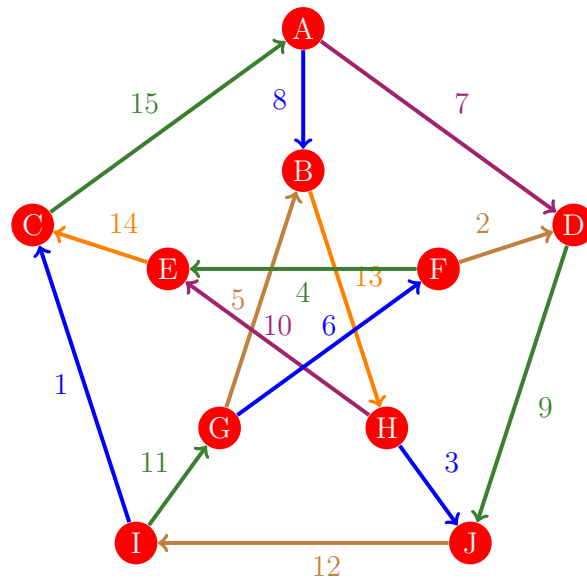


Figura 646: Flujo 638 de la gráfica de Petersen

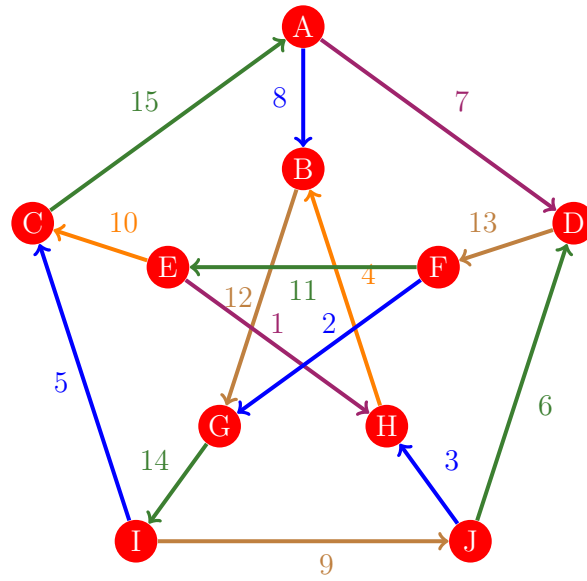


Figura 647: Flujo 639 de la gráfica de Petersen

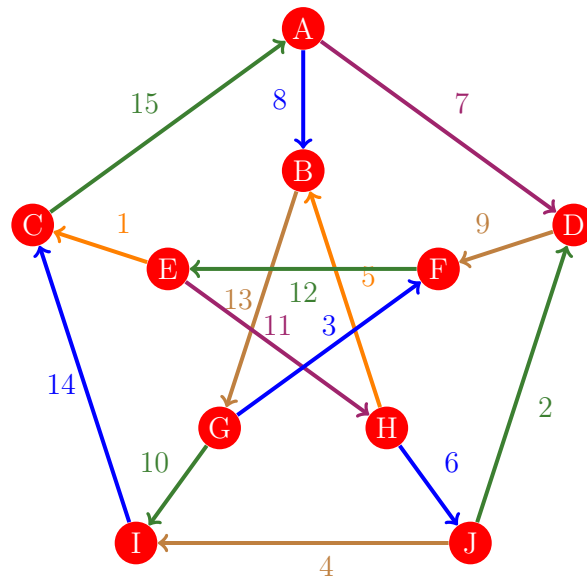


Figura 648: Flujo 640 de la gráfica de Petersen

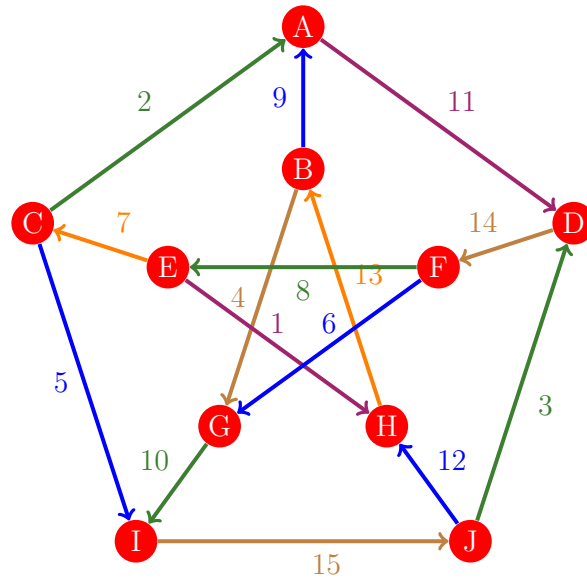


Figura 649: Flujo 641 de la gráfica de Petersen

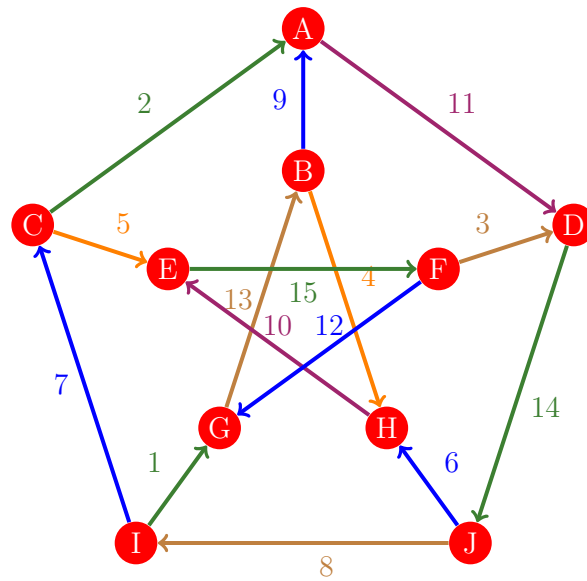


Figura 650: Flujo 642 de la gráfica de Petersen

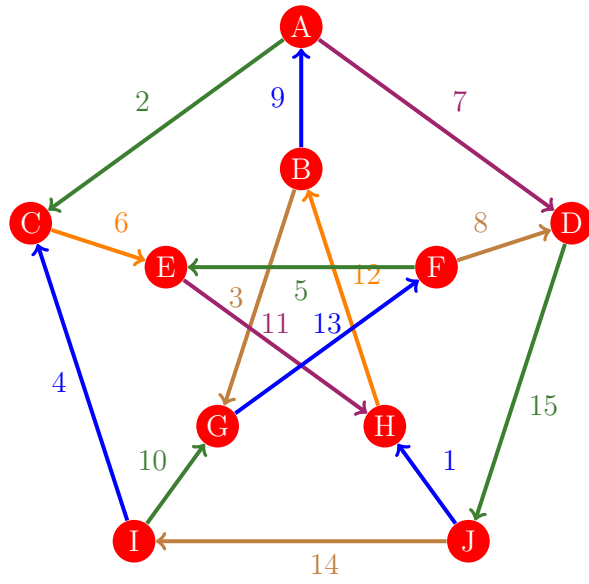


Figura 651: Flujo 643 de la gráfica de Petersen

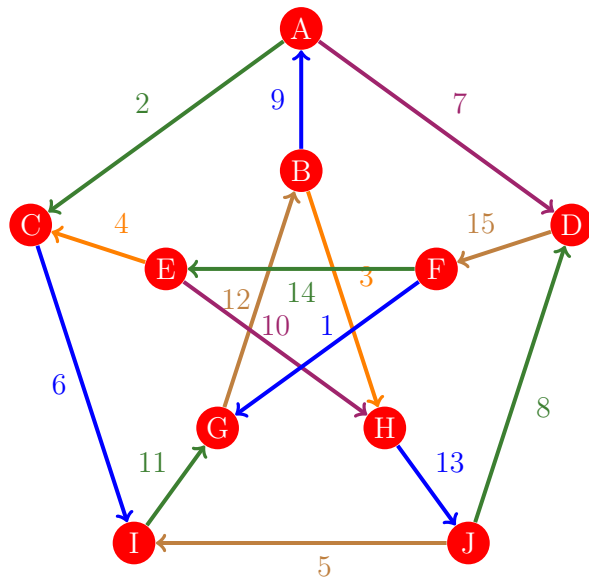


Figura 652: Flujo 644 de la gráfica de Petersen

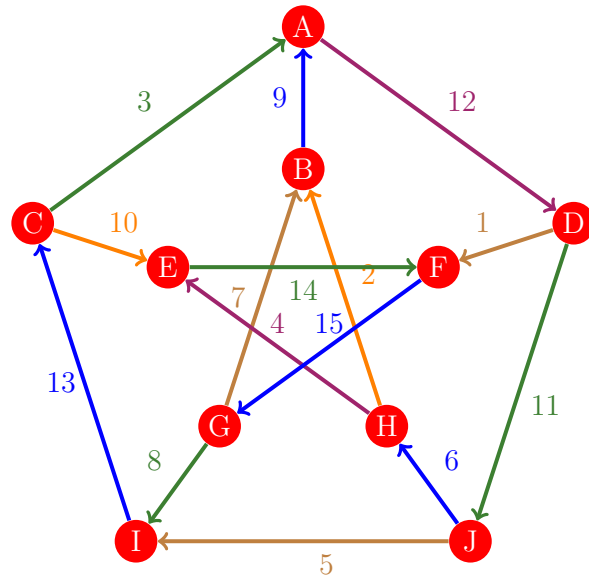


Figura 653: Flujo 645 de la gráfica de Petersen

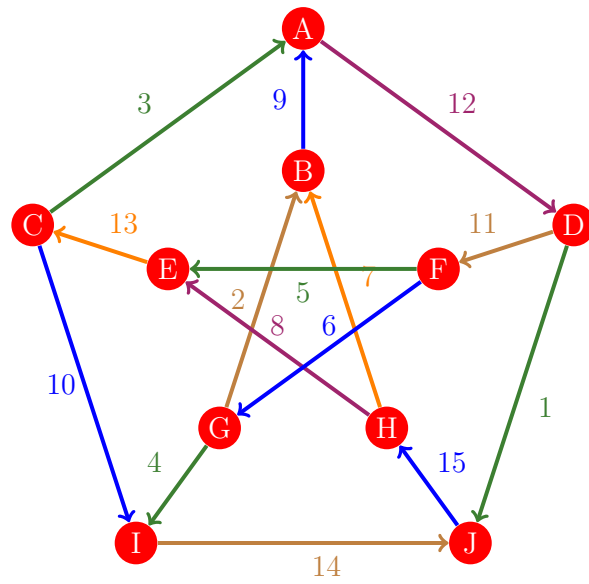


Figura 654: Flujo 646 de la gráfica de Petersen

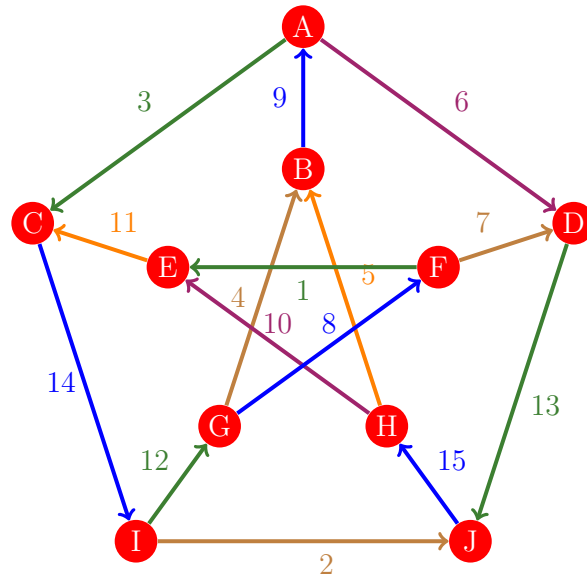


Figura 655: Flujo 647 de la gráfica de Petersen

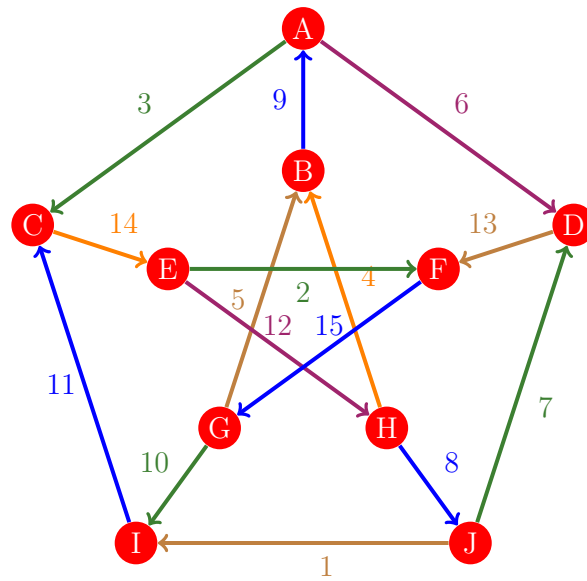


Figura 656: Flujo 648 de la gráfica de Petersen

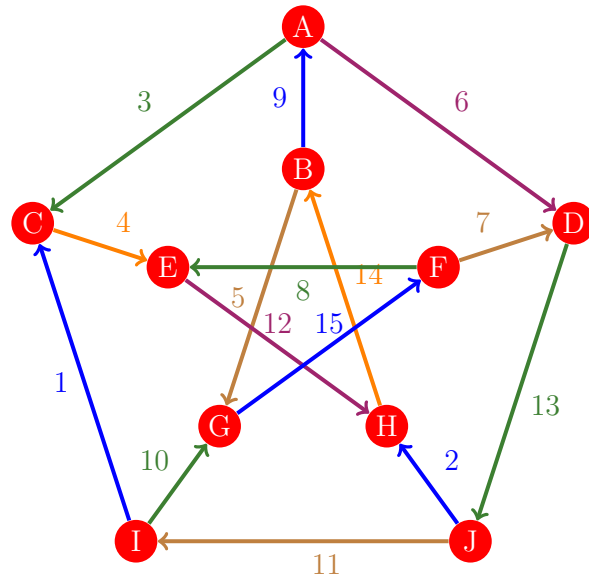


Figura 657: Flujo 649 de la gráfica de Petersen

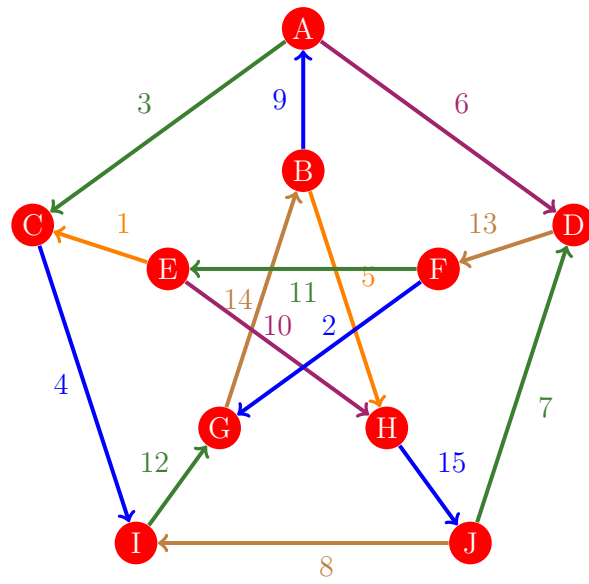


Figura 658: Flujo 650 de la gráfica de Petersen

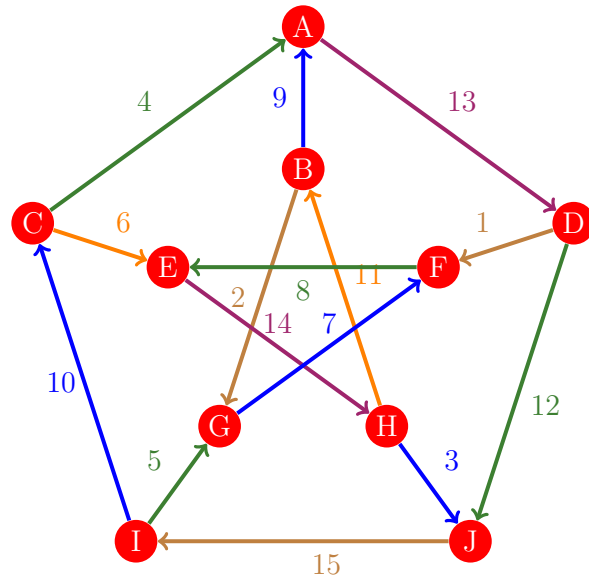


Figura 659: Flujo 651 de la gráfica de Petersen

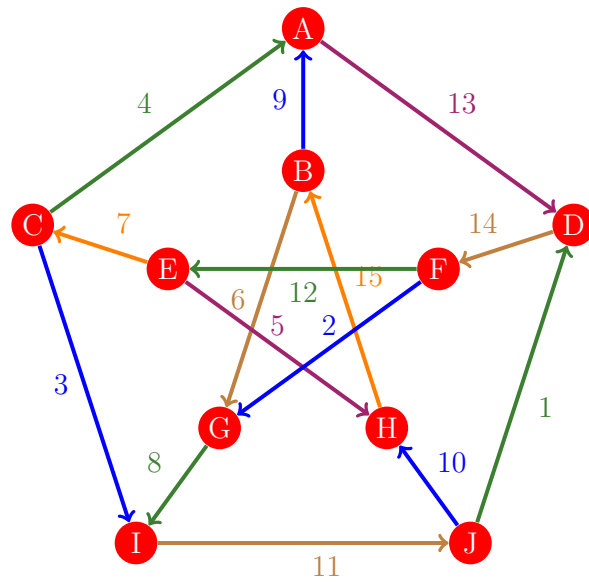


Figura 660: Flujo 652 de la gráfica de Petersen

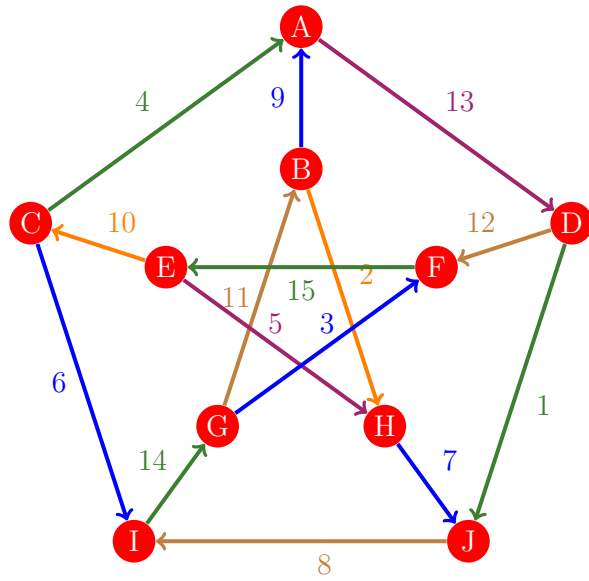


Figura 661: Flujo 653 de la gráfica de Petersen

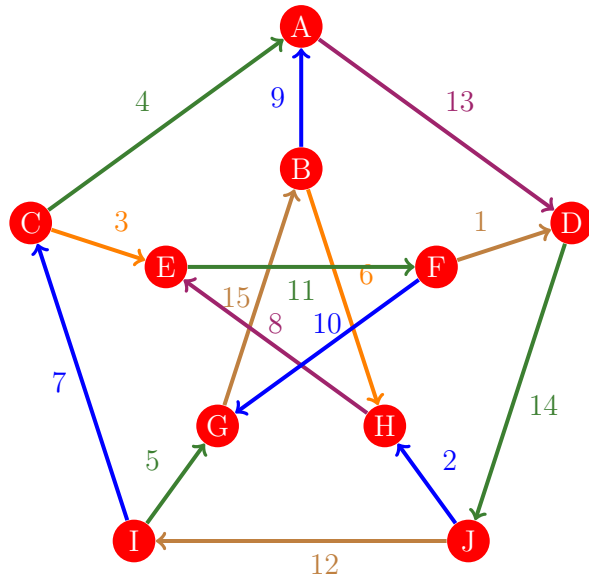


Figura 662: Flujo 654 de la gráfica de Petersen

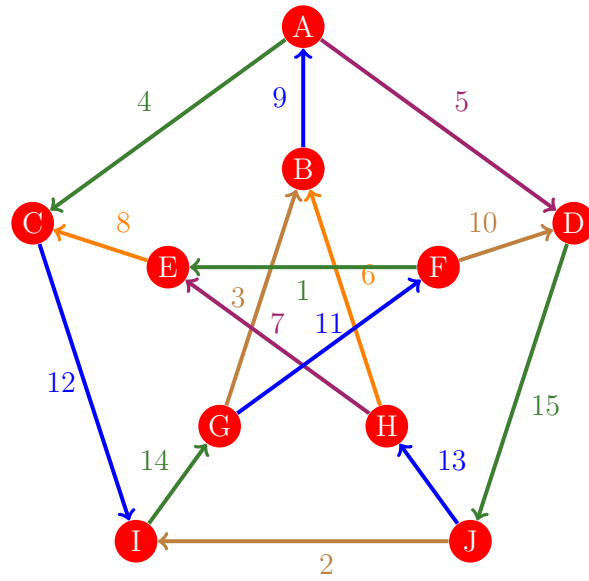


Figura 663: Flujo 655 de la gráfica de Petersen

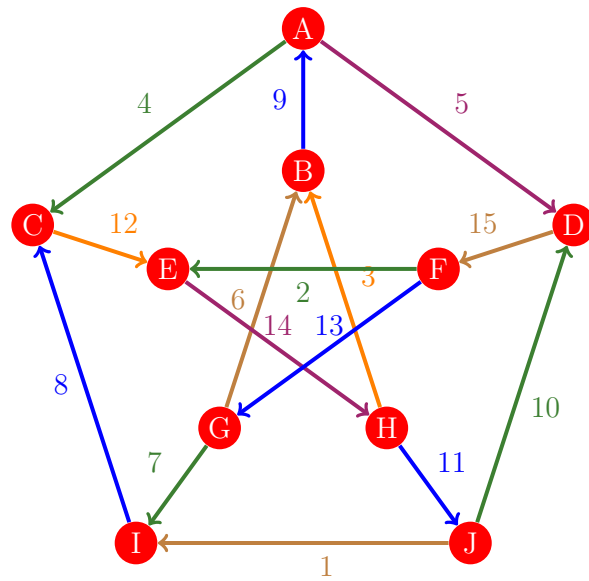


Figura 664: Flujo 656 de la gráfica de Petersen

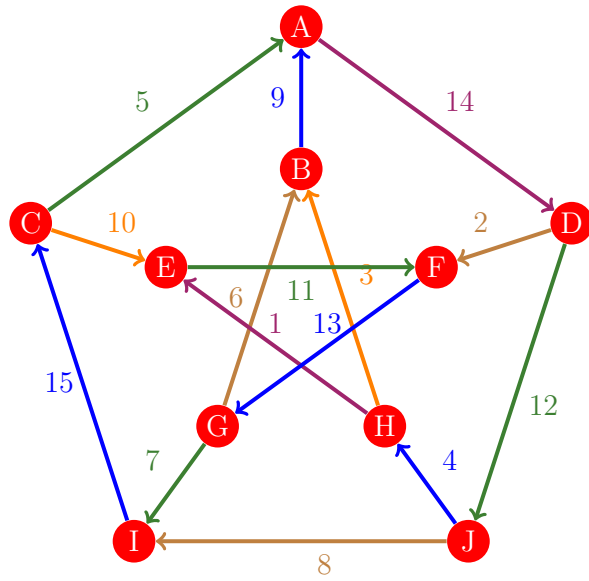


Figura 665: Flujo 657 de la gráfica de Petersen

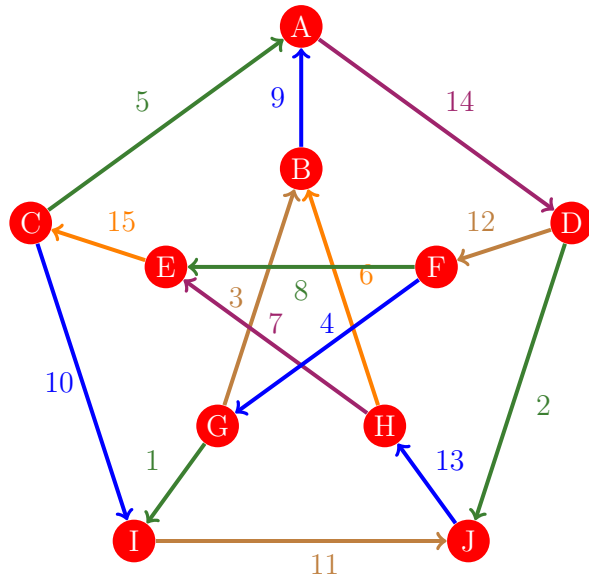


Figura 666: Flujo 658 de la gráfica de Petersen

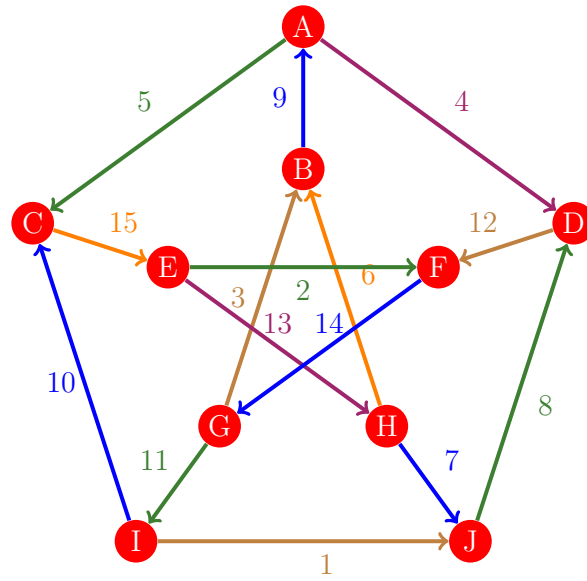


Figura 667: Flujo 659 de la gráfica de Petersen

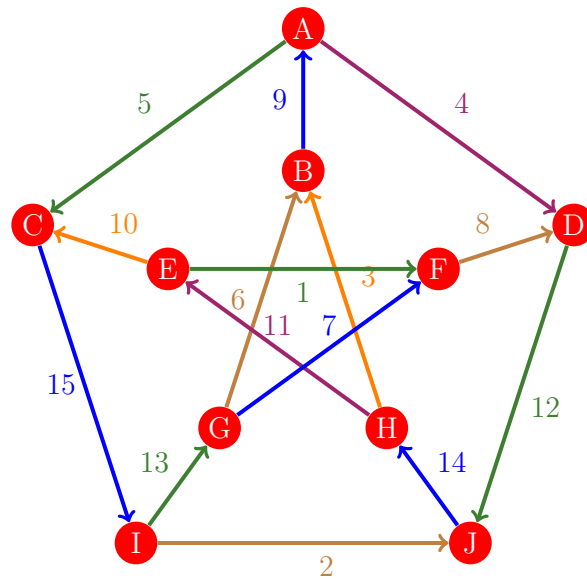


Figura 668: Flujo 660 de la gráfica de Petersen

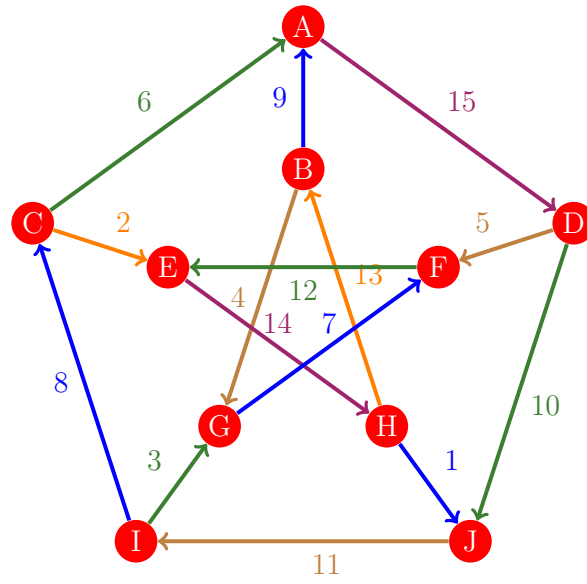


Figura 669: Flujo 661 de la gráfica de Petersen

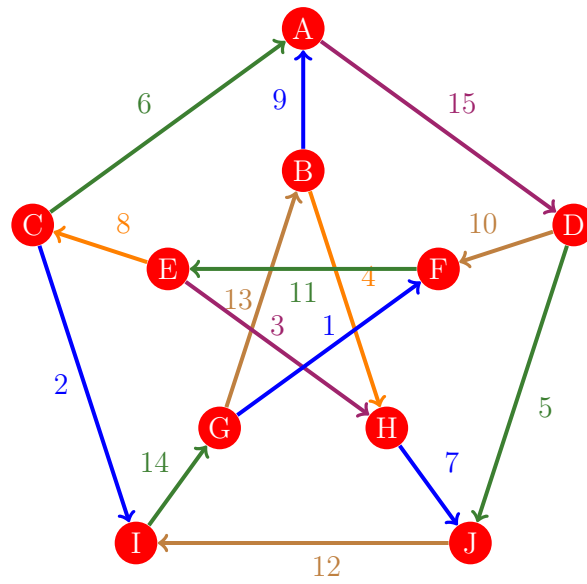


Figura 670: Flujo 662 de la gráfica de Petersen

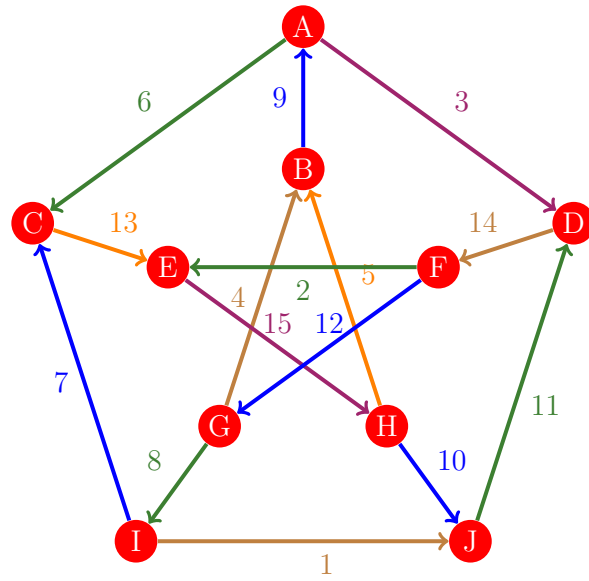


Figura 671: Flujo 663 de la gráfica de Petersen

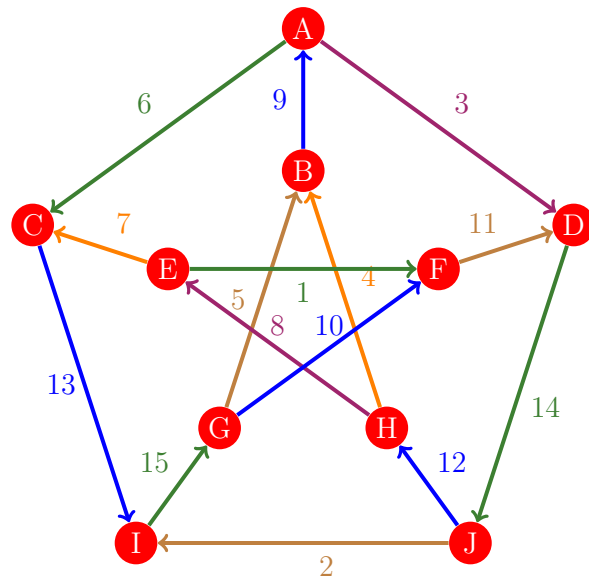


Figura 672: Flujo 664 de la gráfica de Petersen

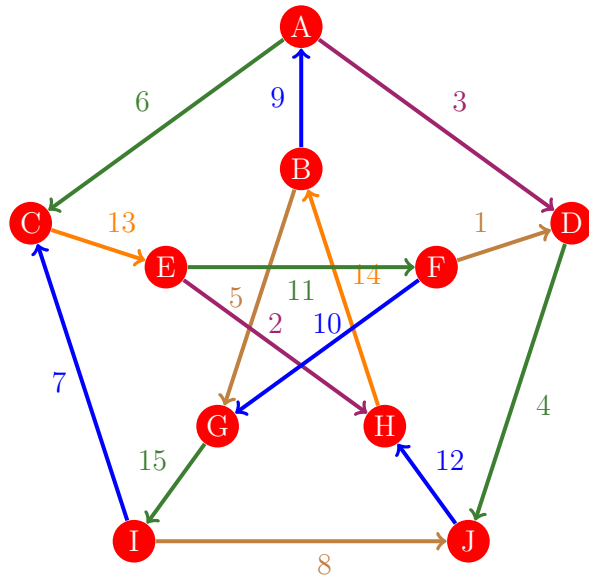


Figura 673: Flujo 665 de la gráfica de Petersen

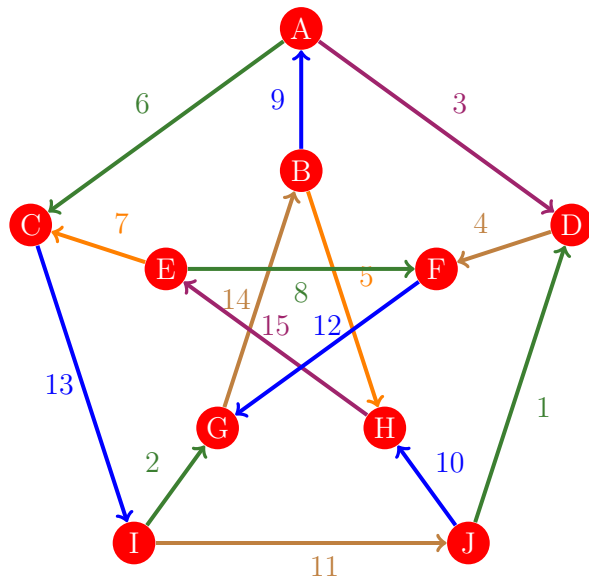


Figura 674: Flujo 666 de la gráfica de Petersen

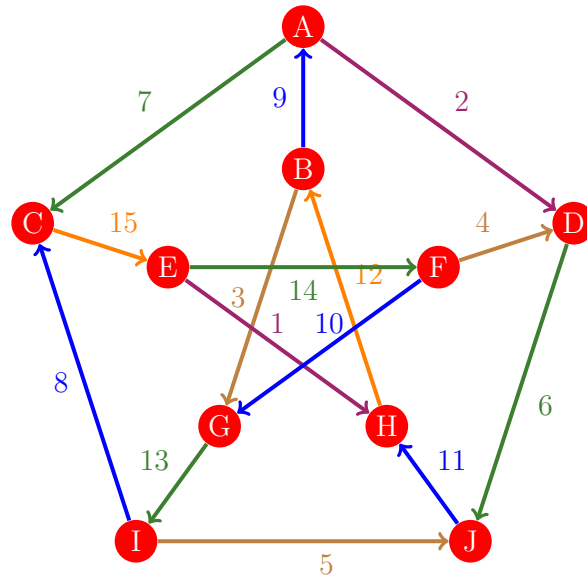


Figura 675: Flujo 667 de la gráfica de Petersen

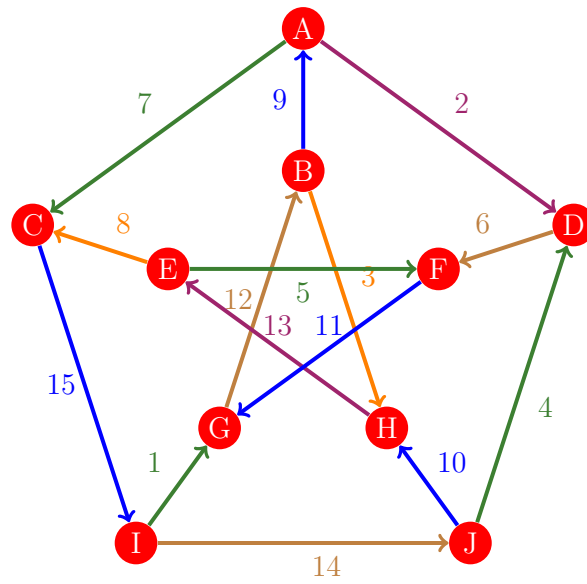


Figura 676: Flujo 668 de la gráfica de Petersen

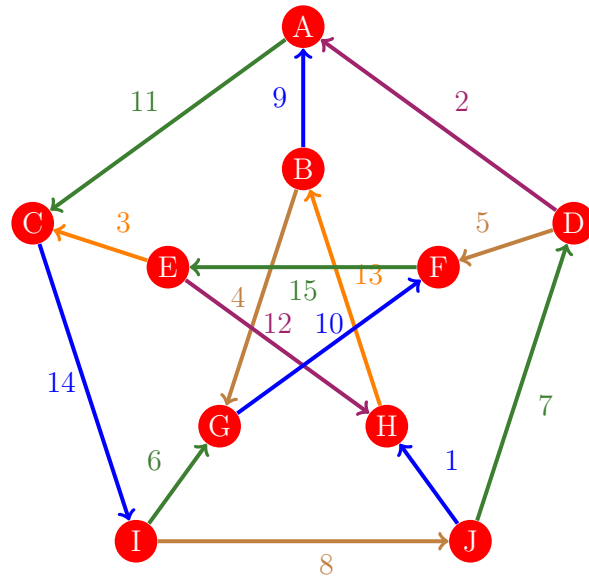


Figura 677: Flujo 669 de la gráfica de Petersen

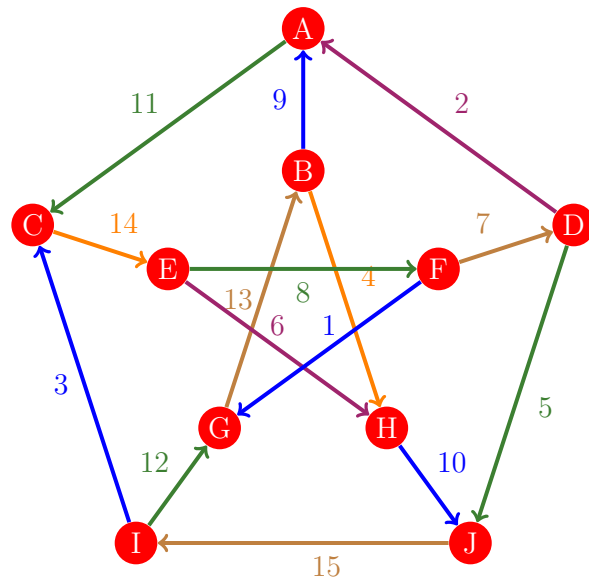


Figura 678: Flujo 670 de la gráfica de Petersen

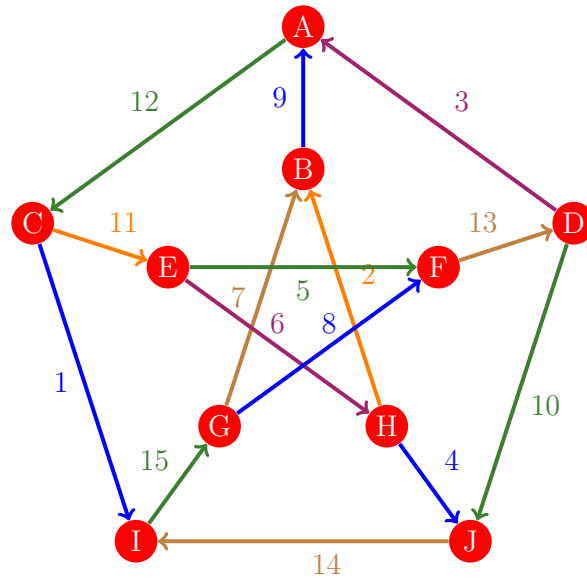


Figura 679: Flujo 671 de la gráfica de Petersen

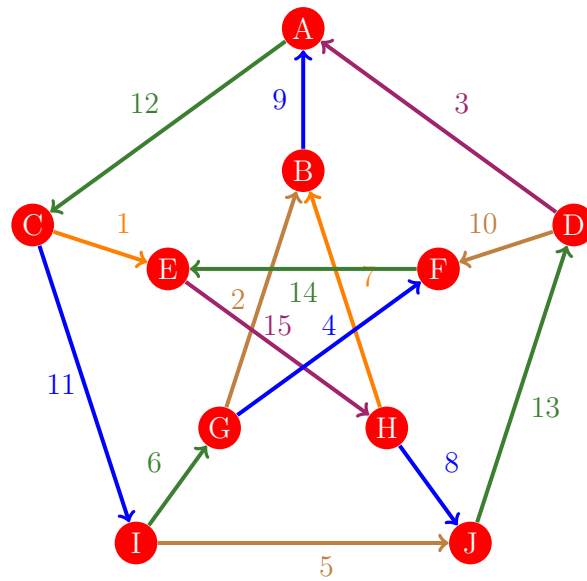


Figura 680: Flujo 672 de la gráfica de Petersen

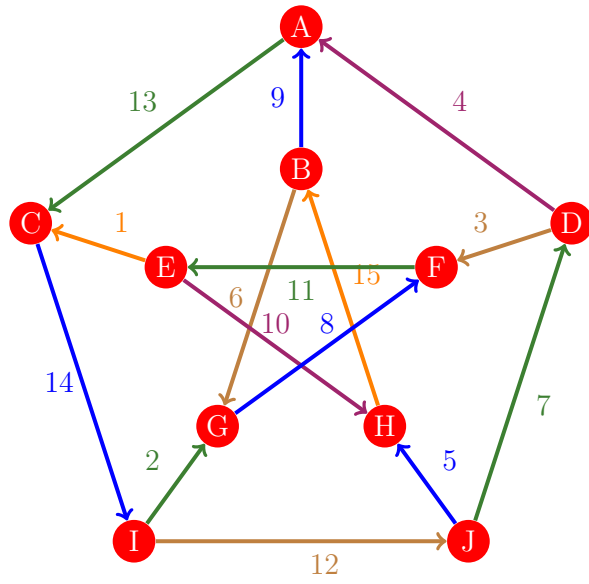


Figura 681: Flujo 673 de la gráfica de Petersen

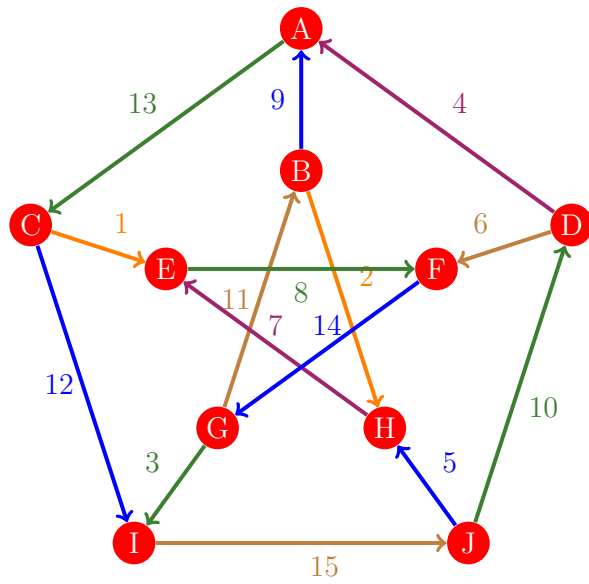


Figura 682: Flujo 674 de la gráfica de Petersen

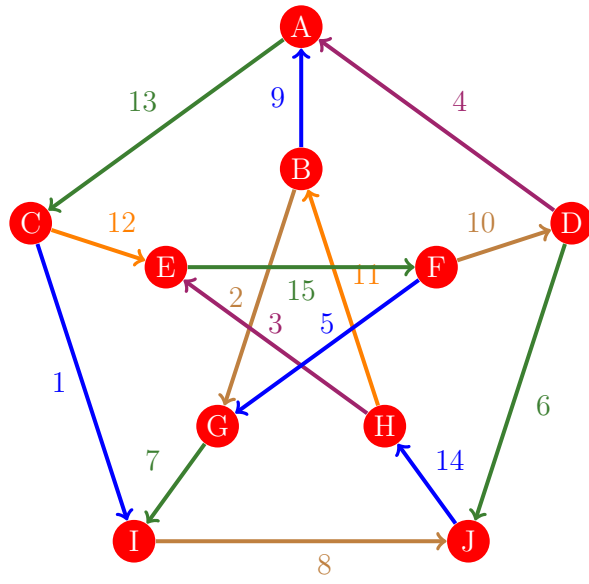


Figura 683: Flujo 675 de la gráfica de Petersen

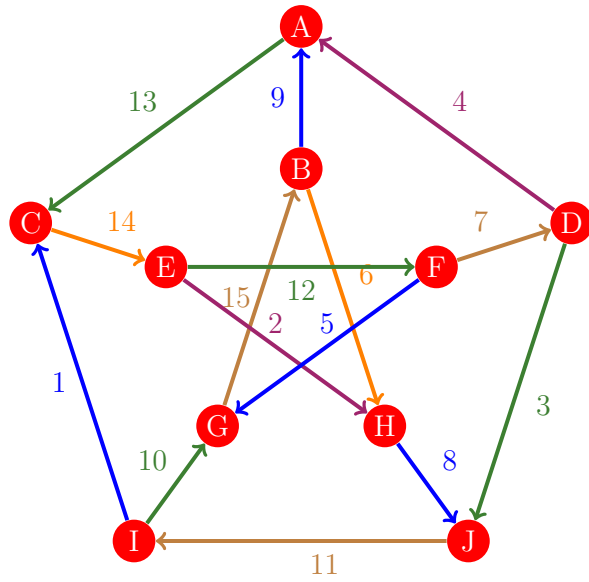


Figura 684: Flujo 676 de la gráfica de Petersen

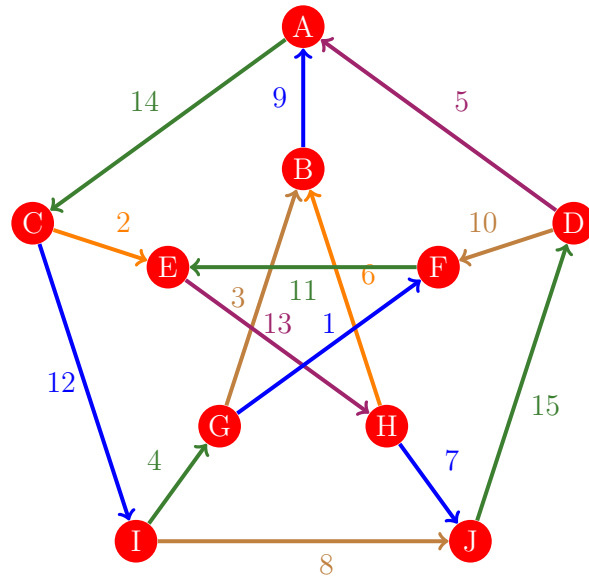


Figura 685: Flujo 677 de la gráfica de Petersen

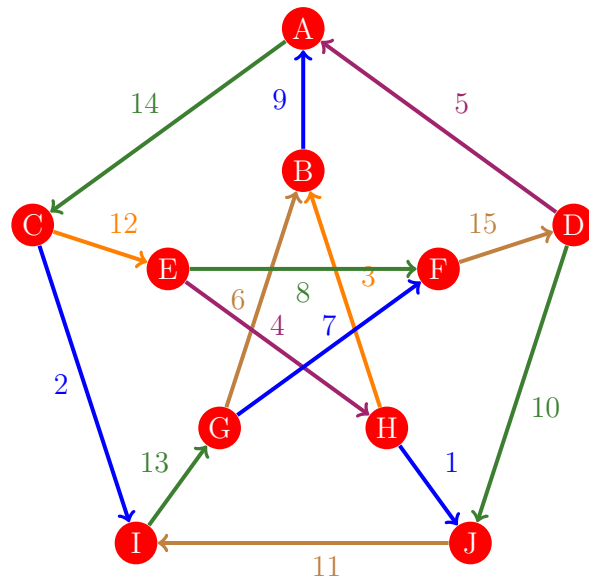


Figura 686: Flujo 678 de la gráfica de Petersen

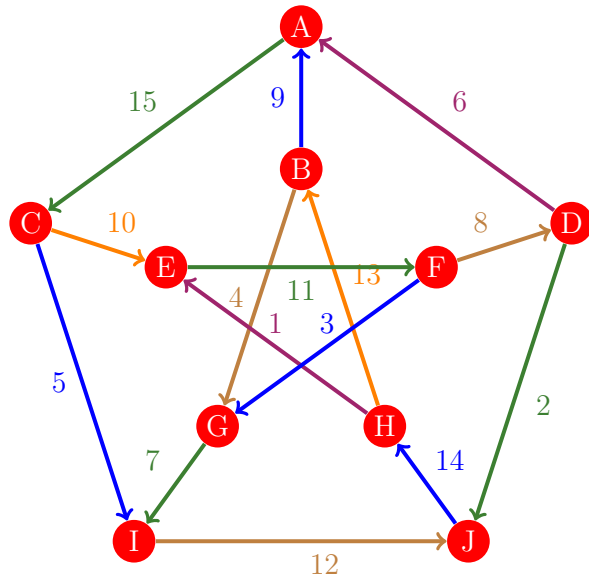


Figura 687: Flujo 679 de la gráfica de Petersen

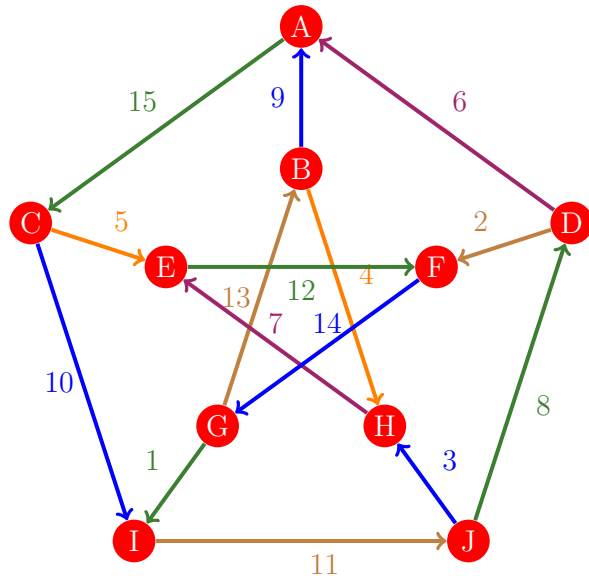


Figura 688: Flujo 680 de la gráfica de Petersen

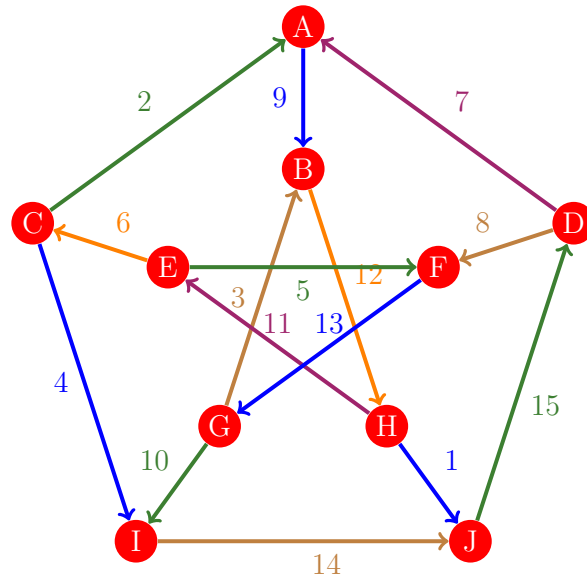


Figura 689: Flujo 681 de la gráfica de Petersen

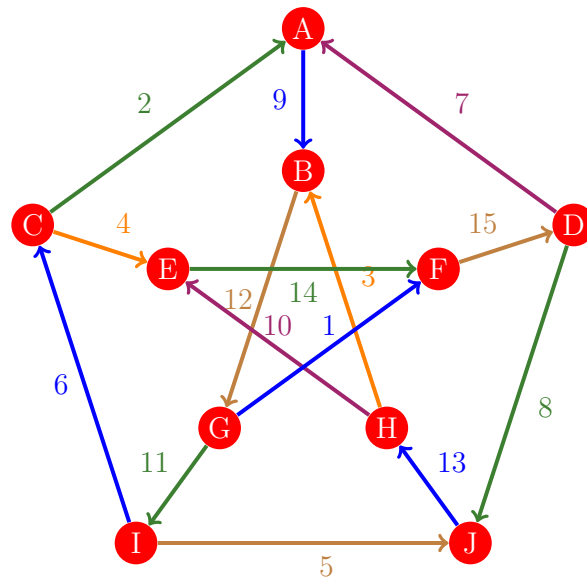


Figura 690: Flujo 682 de la gráfica de Petersen

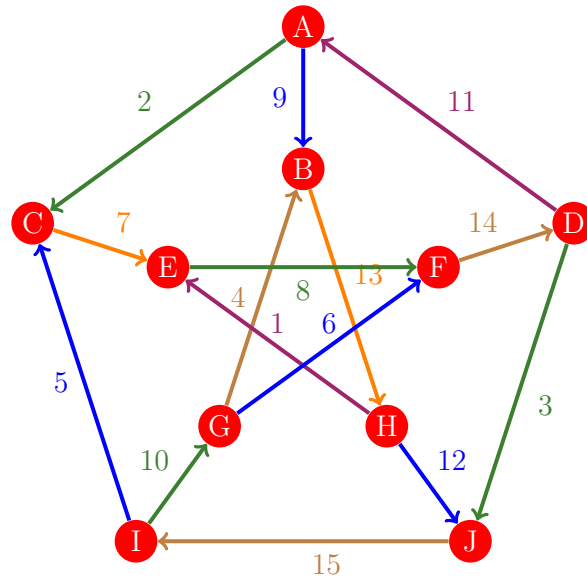


Figura 691: Flujo 683 de la gráfica de Petersen

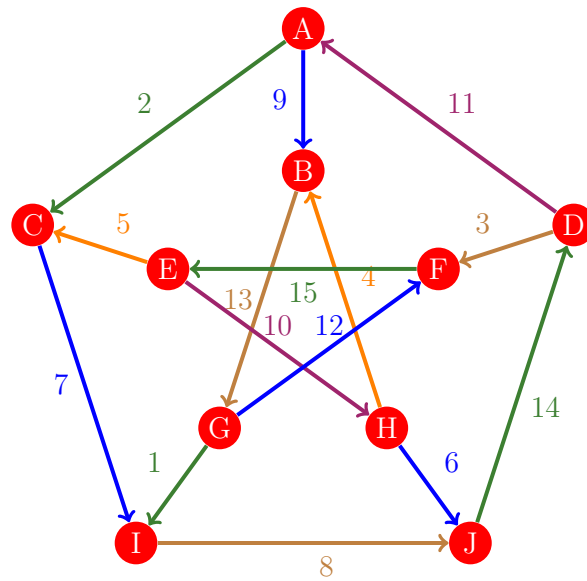


Figura 692: Flujo 684 de la gráfica de Petersen

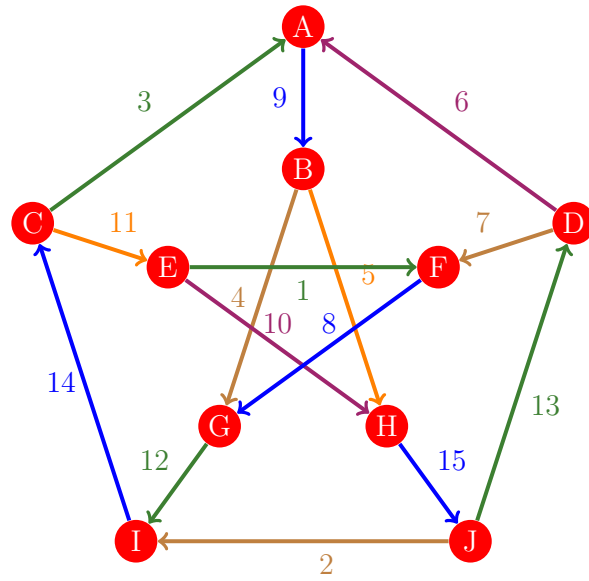


Figura 693: Flujo 685 de la gráfica de Petersen

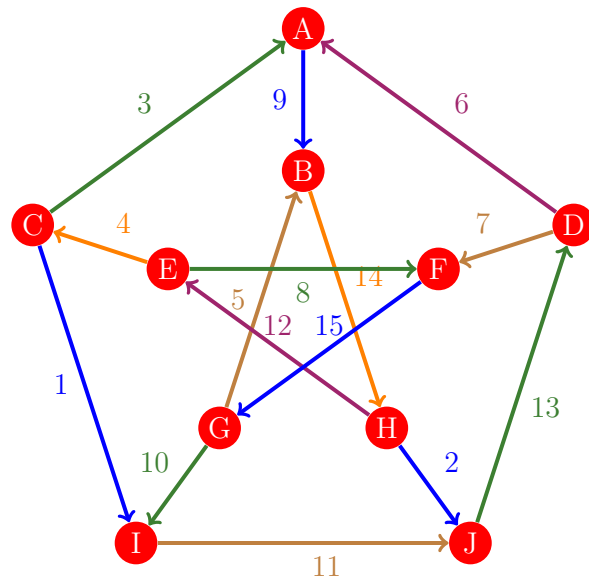


Figura 694: Flujo 686 de la gráfica de Petersen

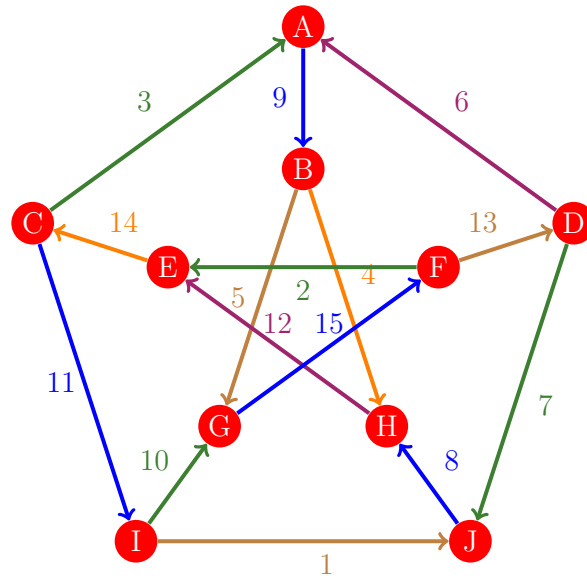


Figura 695: Flujo 687 de la gráfica de Petersen

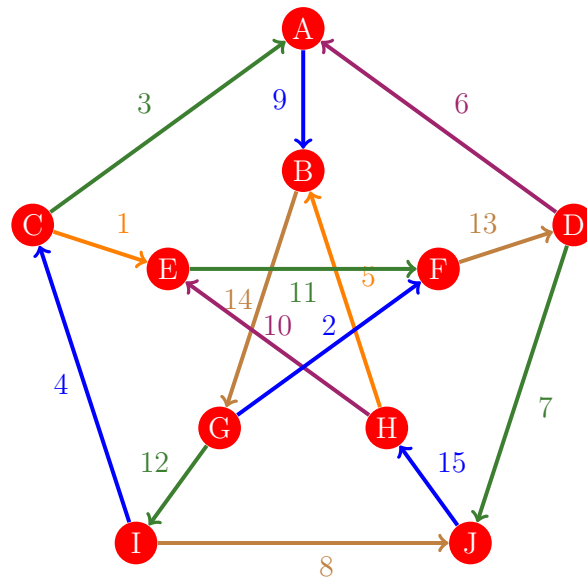


Figura 696: Flujo 688 de la gráfica de Petersen

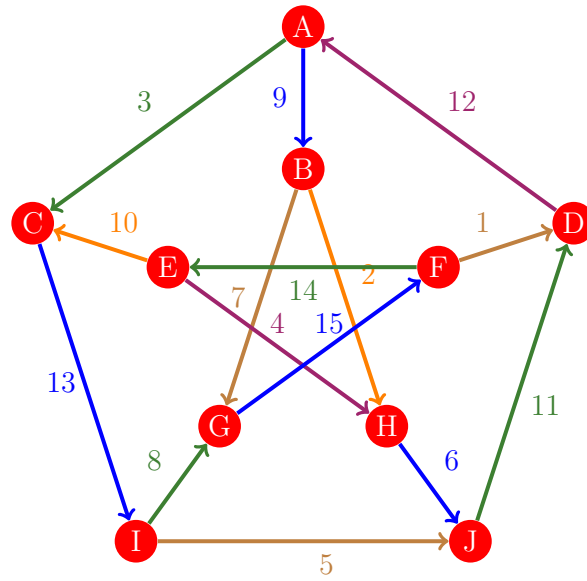


Figura 697: Flujo 689 de la gráfica de Petersen

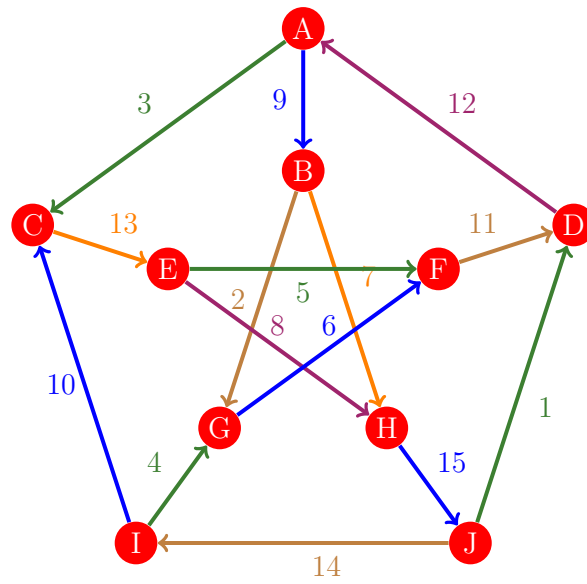


Figura 698: Flujo 690 de la gráfica de Petersen

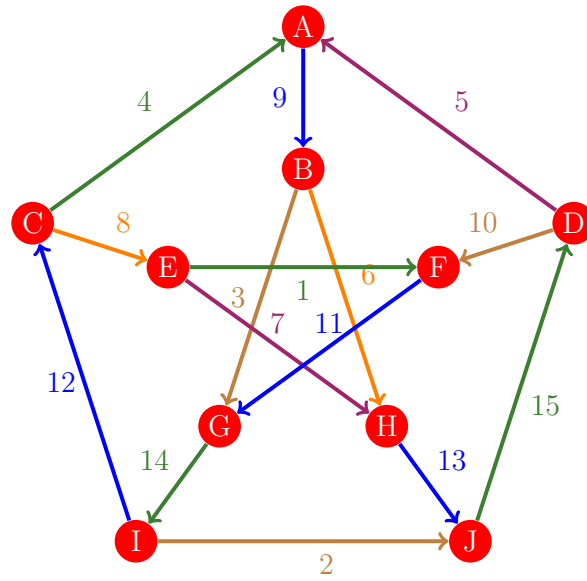


Figura 699: Flujo 691 de la gráfica de Petersen

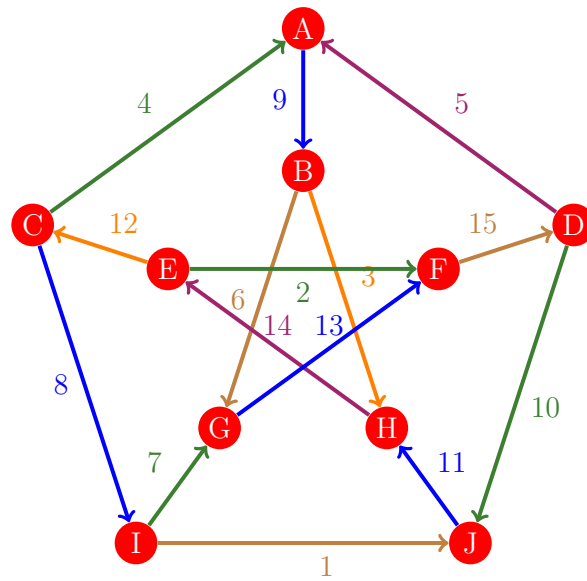


Figura 700: Flujo 692 de la gráfica de Petersen

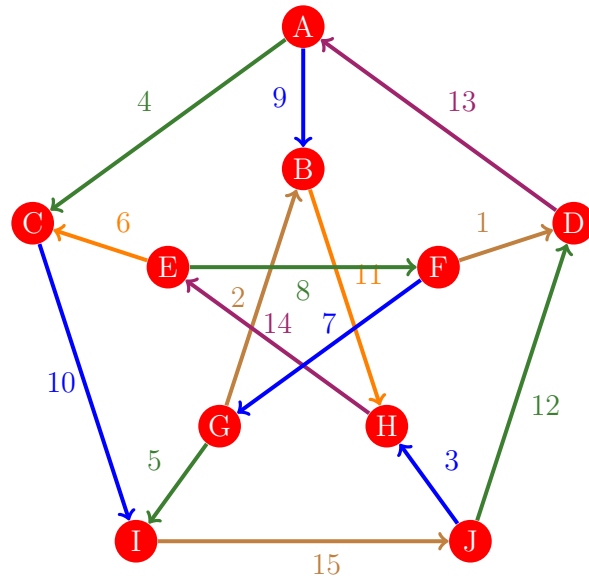


Figura 701: Flujo 693 de la gráfica de Petersen

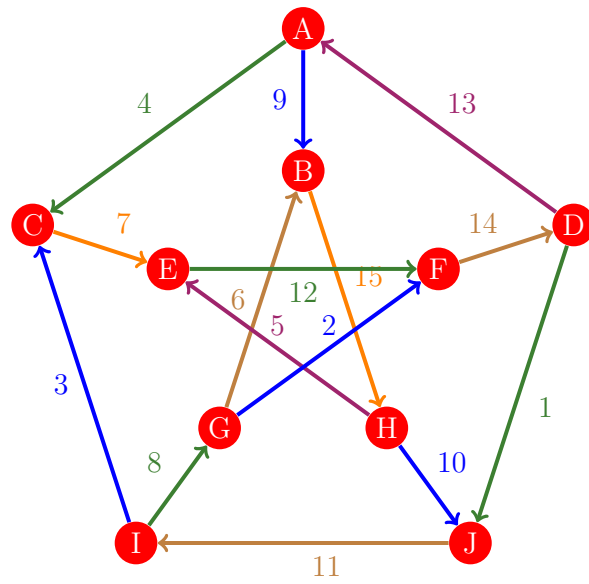


Figura 702: Flujo 694 de la gráfica de Petersen

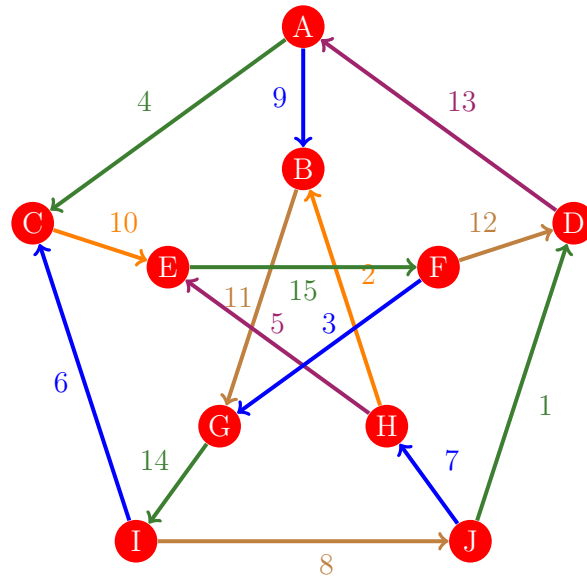


Figura 703: Flujo 695 de la gráfica de Petersen

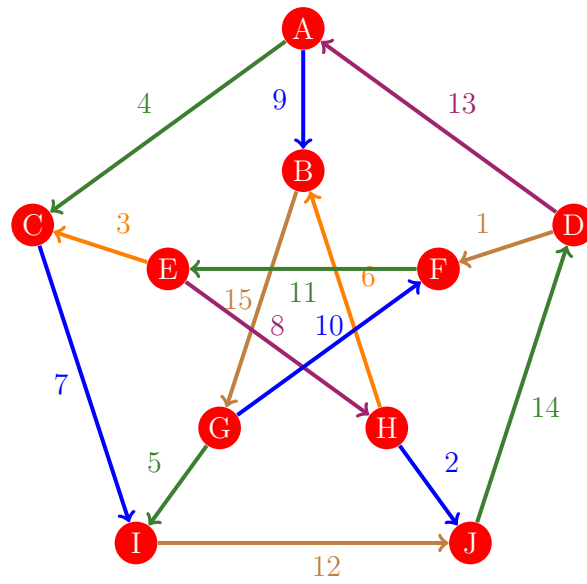


Figura 704: Flujo 696 de la gráfica de Petersen

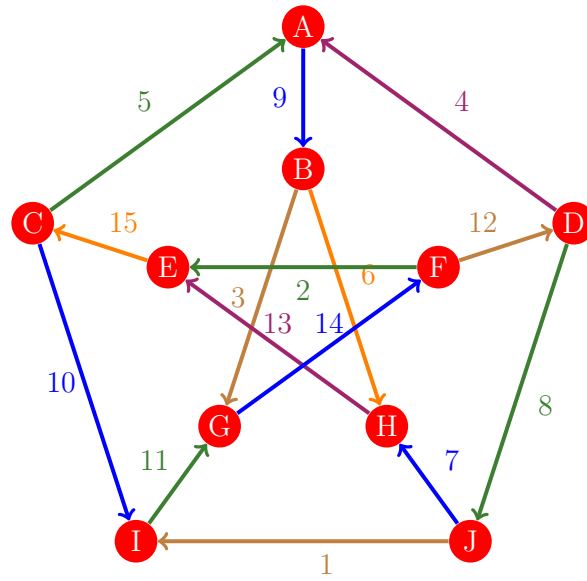


Figura 705: Flujo 697 de la gráfica de Petersen

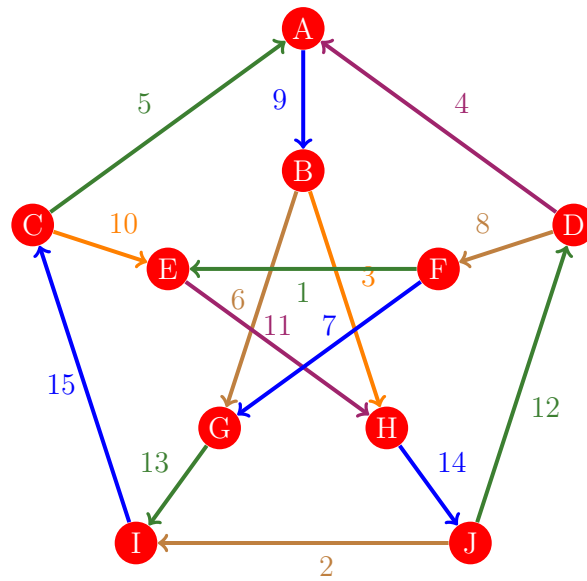


Figura 706: Flujo 698 de la gráfica de Petersen

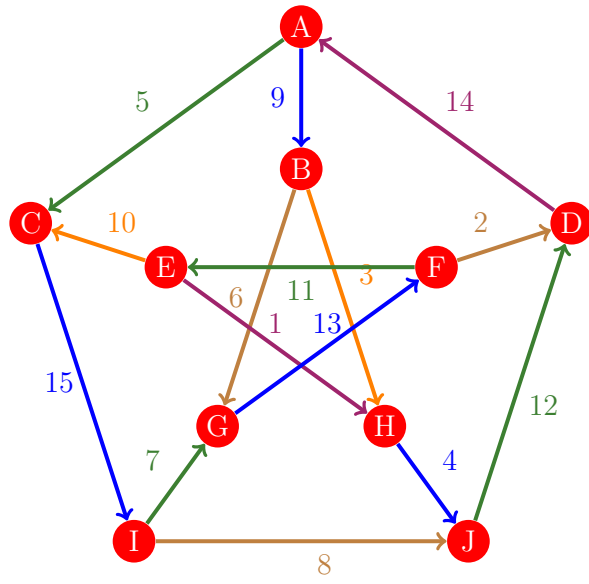


Figura 707: Flujo 699 de la gráfica de Petersen

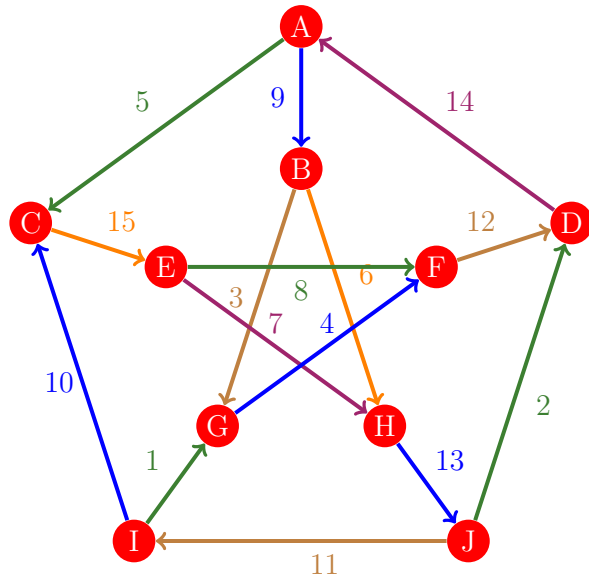


Figura 708: Flujo 700 de la gráfica de Petersen

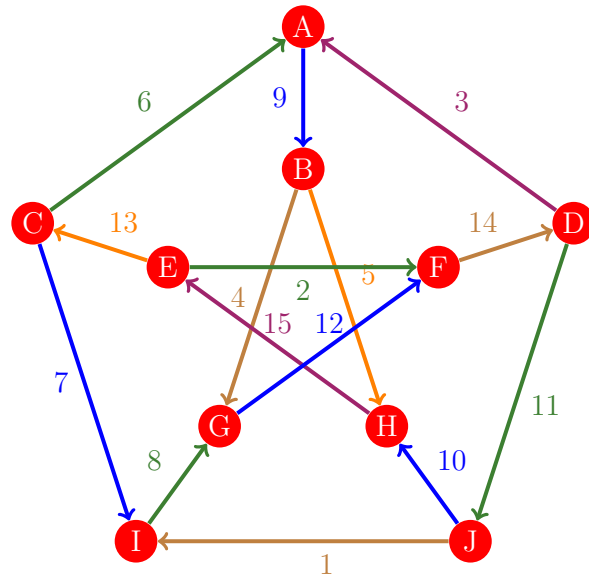


Figura 709: Flujo 701 de la gráfica de Petersen

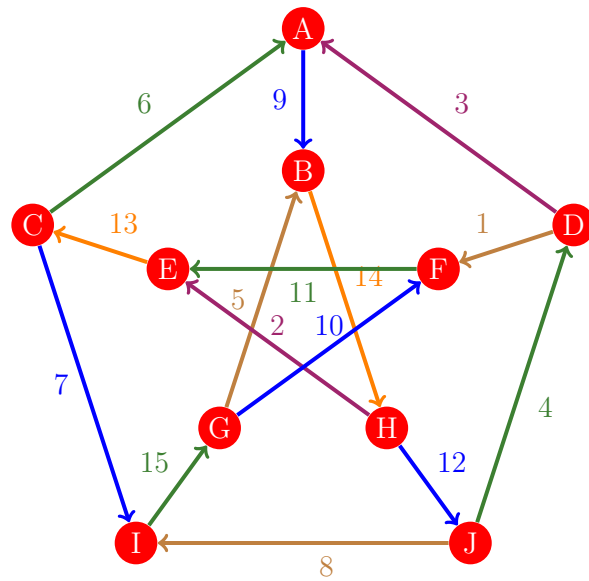


Figura 710: Flujo 702 de la gráfica de Petersen

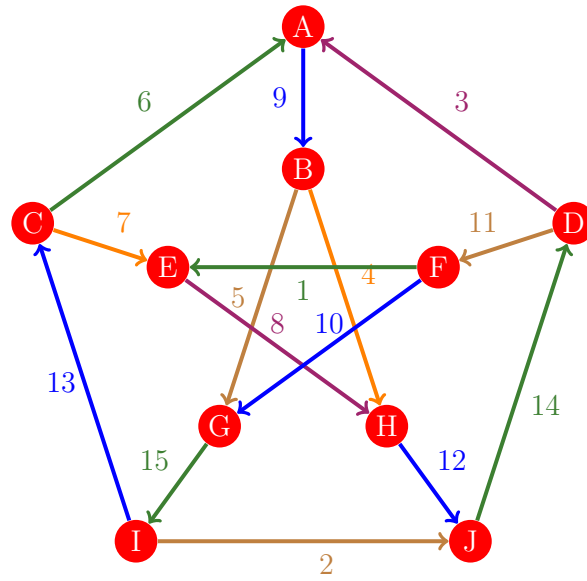


Figura 711: Flujo 703 de la gráfica de Petersen

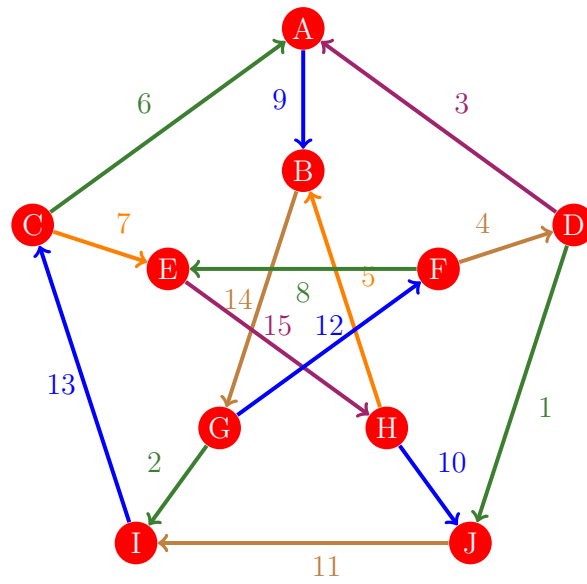


Figura 712: Flujo 704 de la gráfica de Petersen

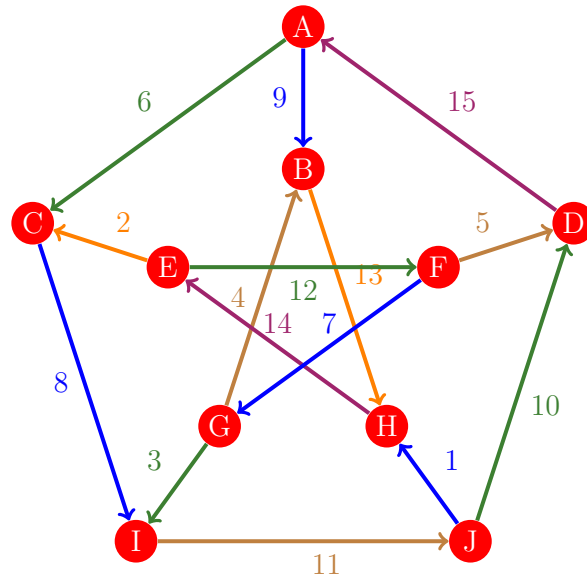


Figura 713: Flujo 705 de la gráfica de Petersen

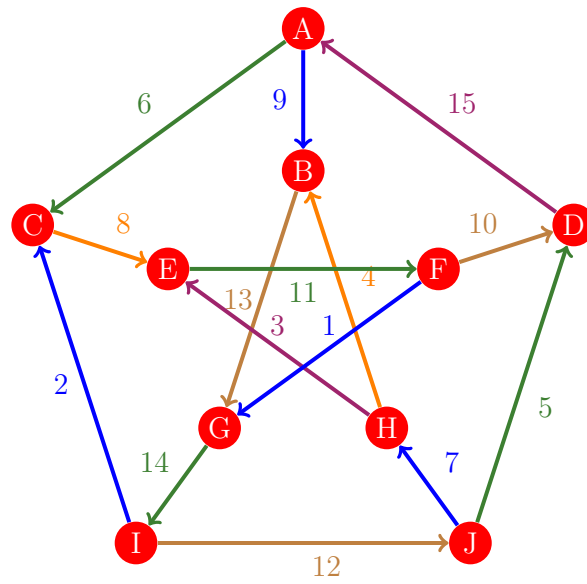


Figura 714: Flujo 706 de la gráfica de Petersen

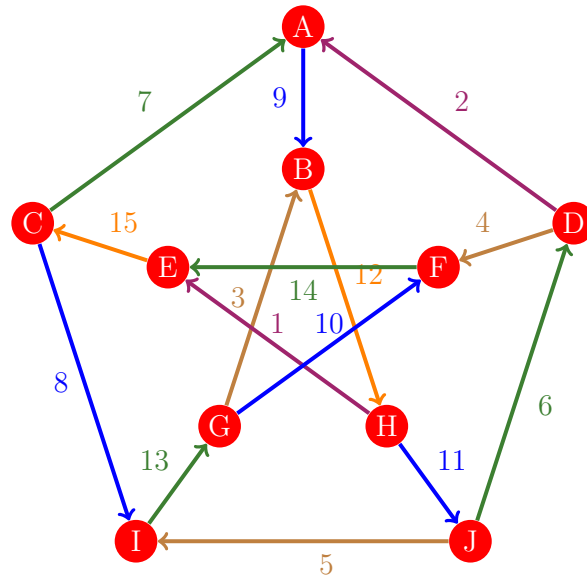


Figura 715: Flujo 707 de la gráfica de Petersen

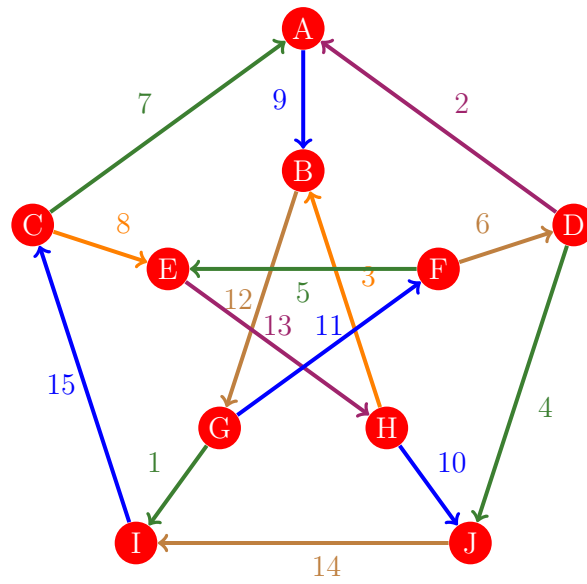


Figura 716: Flujo 708 de la gráfica de Petersen

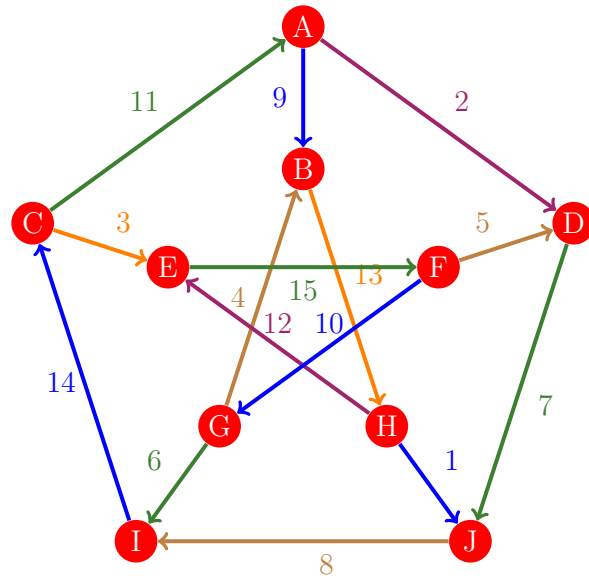


Figura 717: Flujo 709 de la gráfica de Petersen

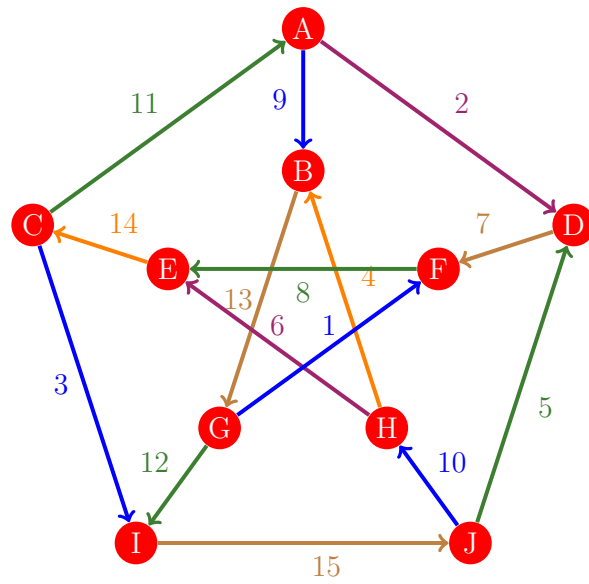


Figura 718: Flujo 710 de la gráfica de Petersen

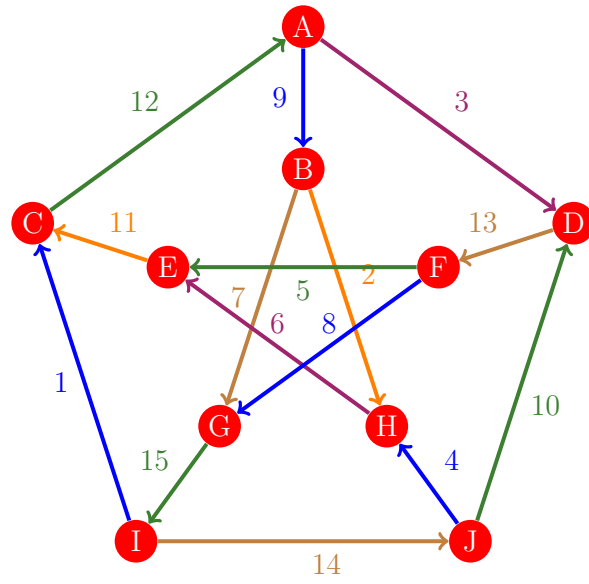


Figura 719: Flujo 711 de la gráfica de Petersen

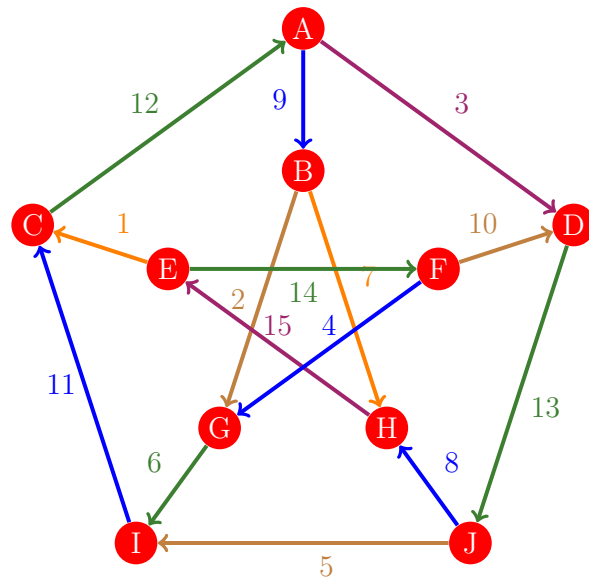


Figura 720: Flujo 712 de la gráfica de Petersen

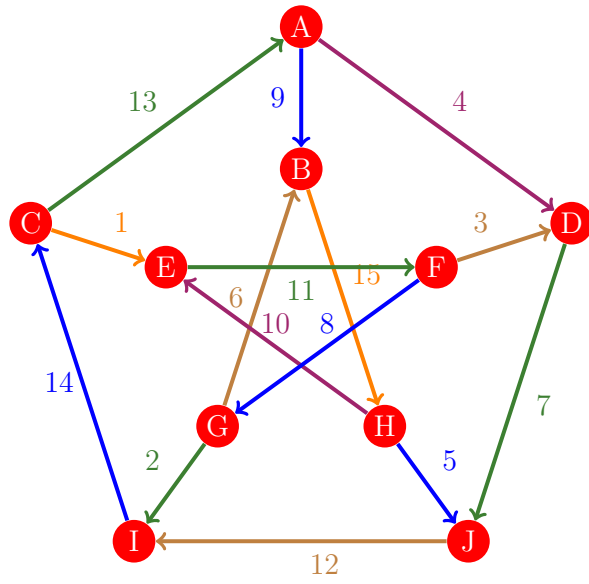


Figura 721: Flujo 713 de la gráfica de Petersen

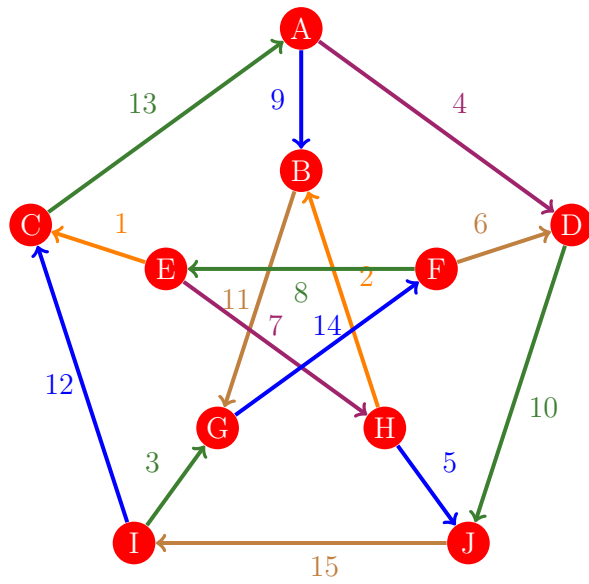


Figura 722: Flujo 714 de la gráfica de Petersen

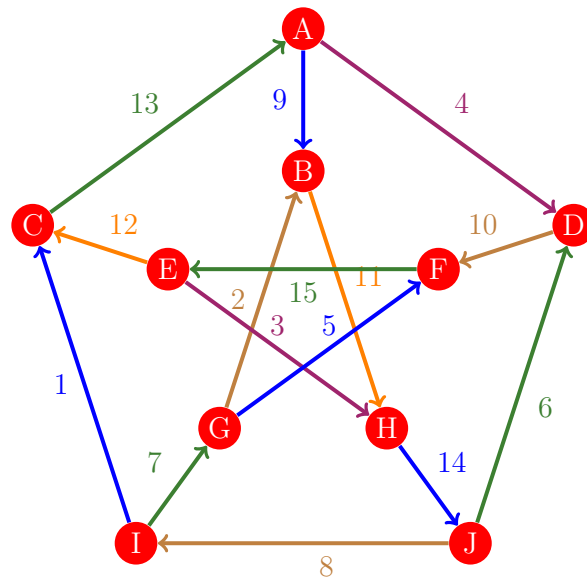


Figura 723: Flujo 715 de la gráfica de Petersen

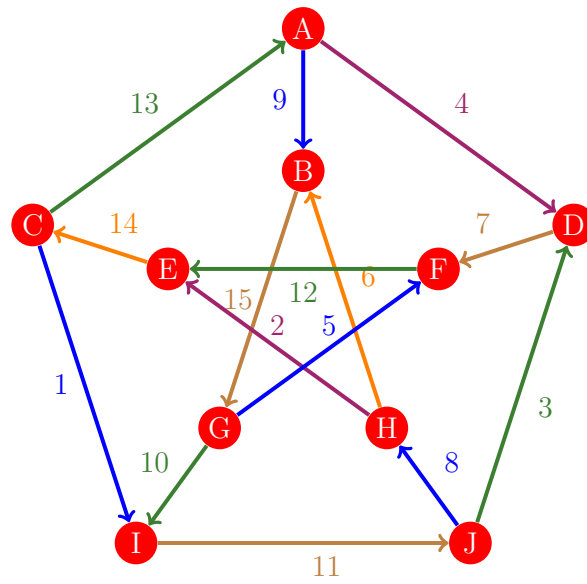


Figura 724: Flujo 716 de la gráfica de Petersen

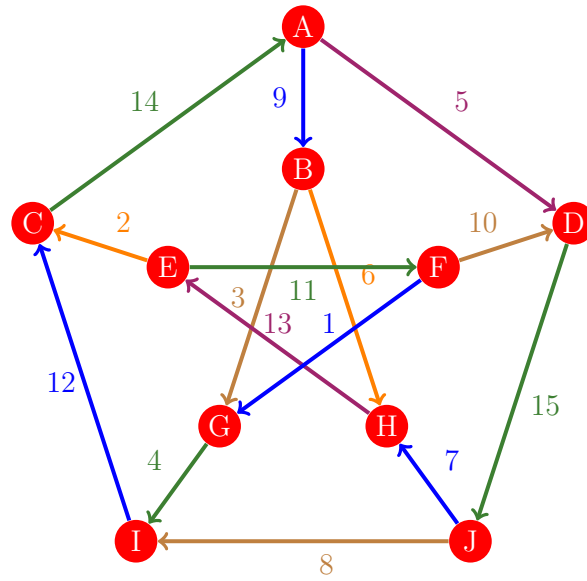


Figura 725: Flujo 717 de la gráfica de Petersen

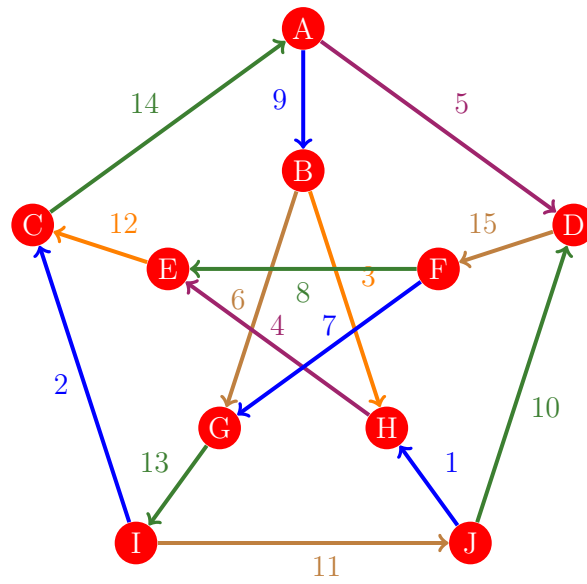


Figura 726: Flujo 718 de la gráfica de Petersen

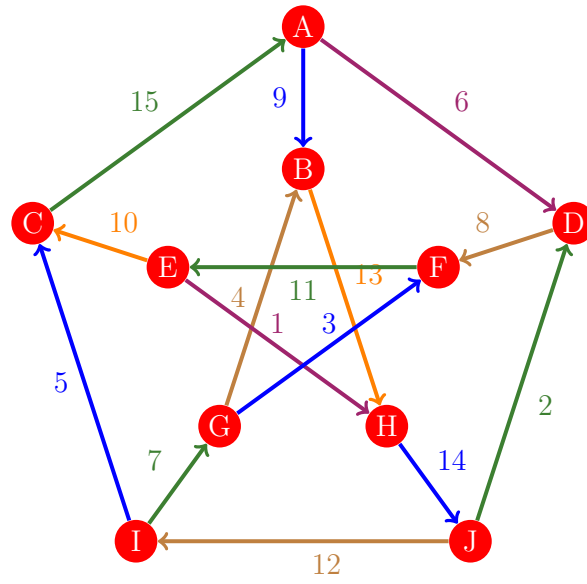


Figura 727: Flujo 719 de la gráfica de Petersen

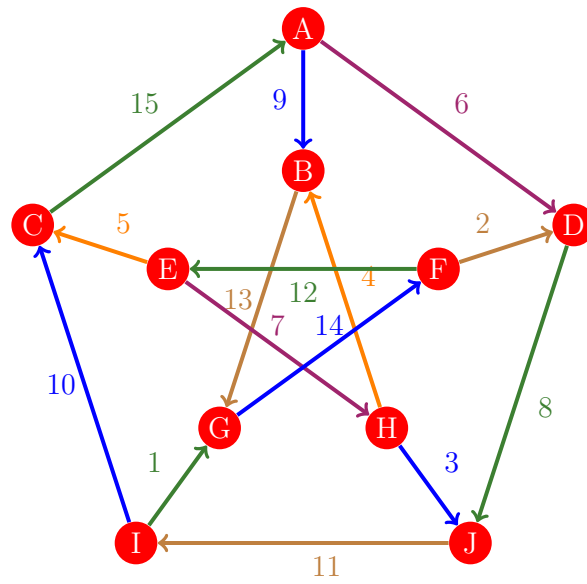


Figura 728: Flujo 720 de la gráfica de Petersen

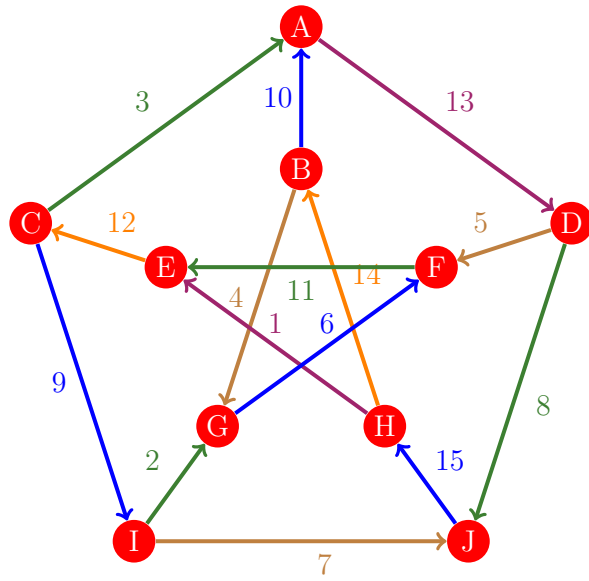


Figura 729: Flujo 721 de la gráfica de Petersen

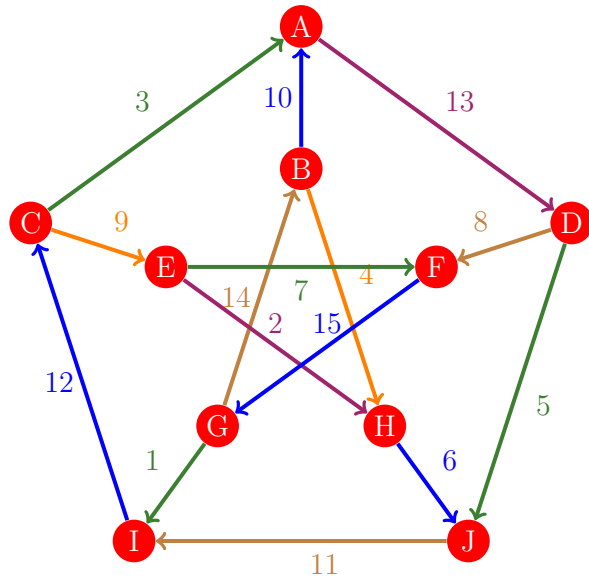


Figura 730: Flujo 722 de la gráfica de Petersen

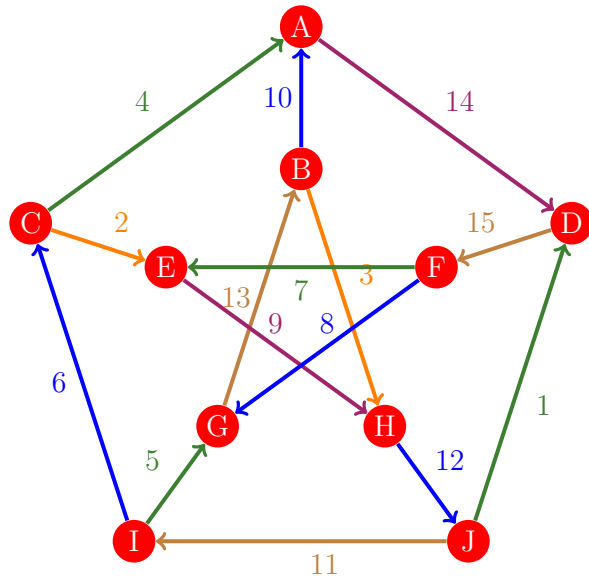


Figura 731: Flujo 723 de la gráfica de Petersen

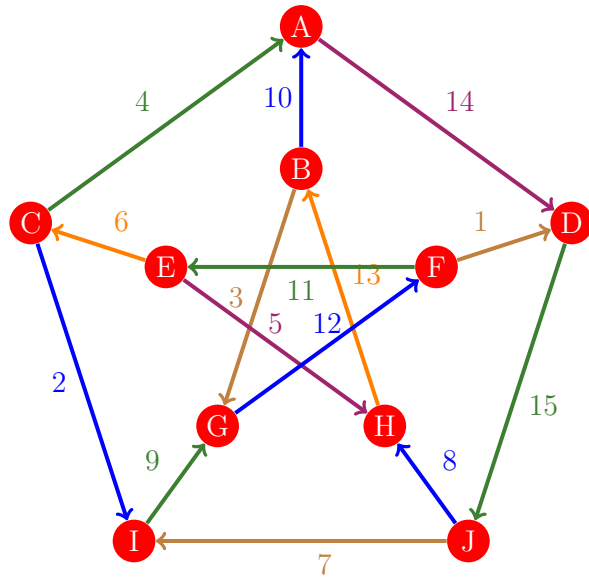


Figura 732: Flujo 724 de la gráfica de Petersen

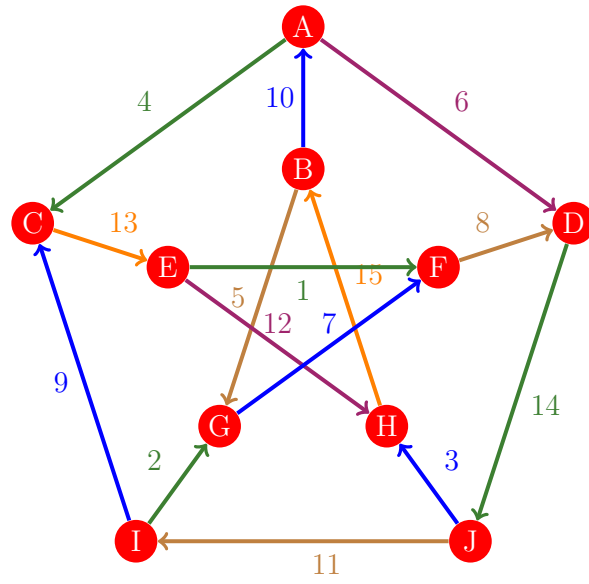


Figura 733: Flujo 725 de la gráfica de Petersen

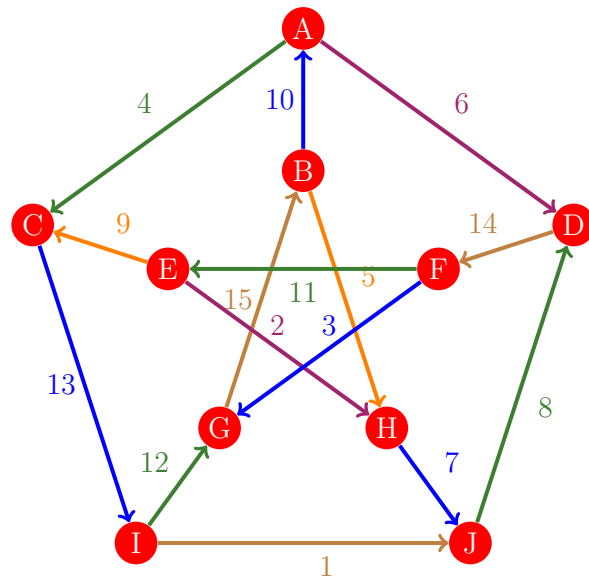


Figura 734: Flujo 726 de la gráfica de Petersen

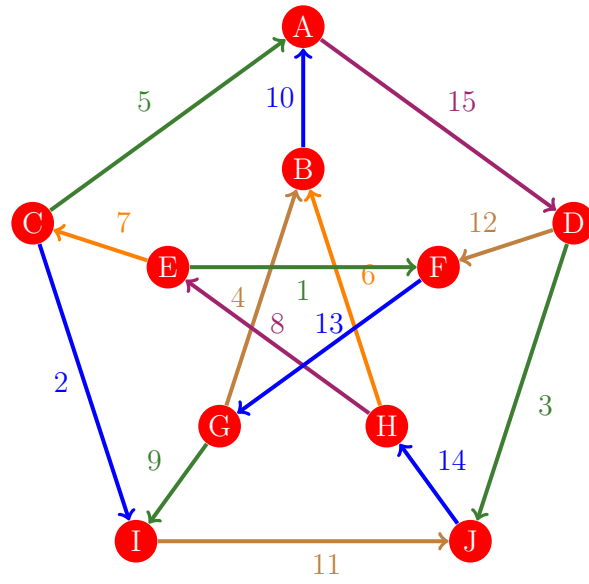


Figura 735: Flujo 727 de la gráfica de Petersen

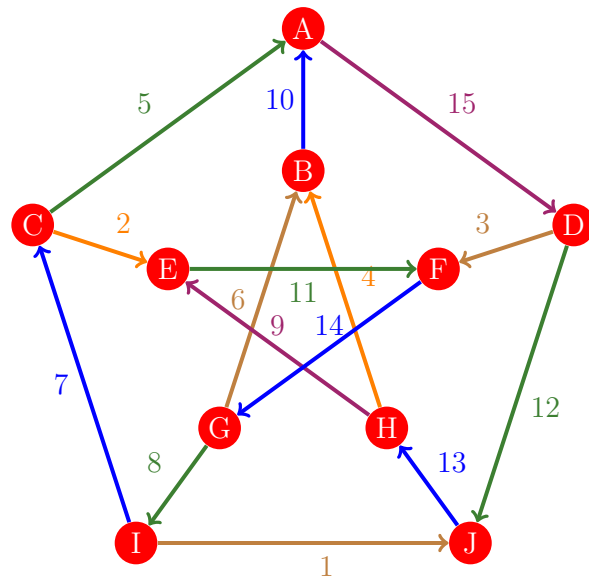


Figura 736: Flujo 728 de la gráfica de Petersen

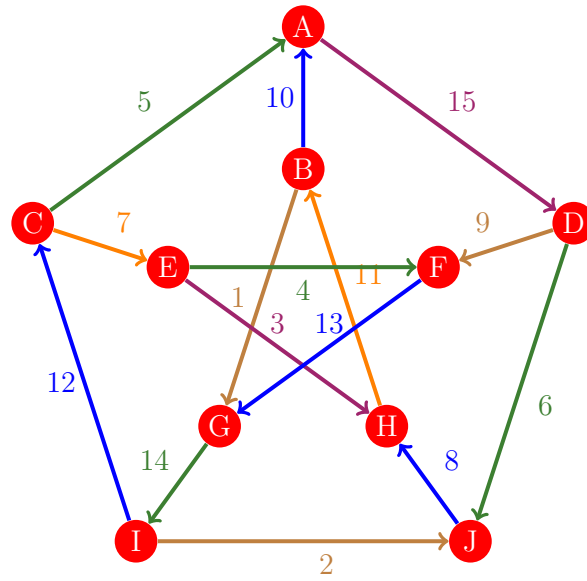


Figura 737: Flujo 729 de la gráfica de Petersen

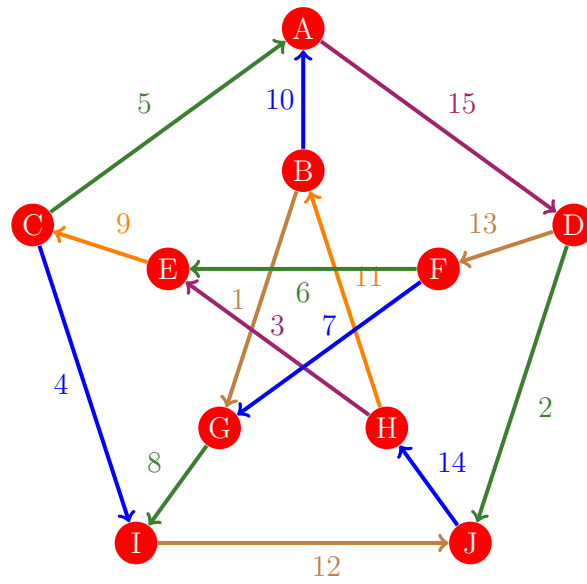


Figura 738: Flujo 730 de la gráfica de Petersen

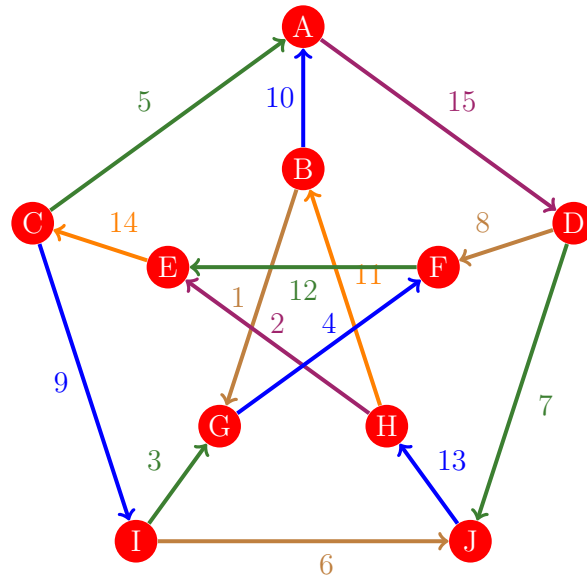


Figura 739: Flujo 731 de la gráfica de Petersen

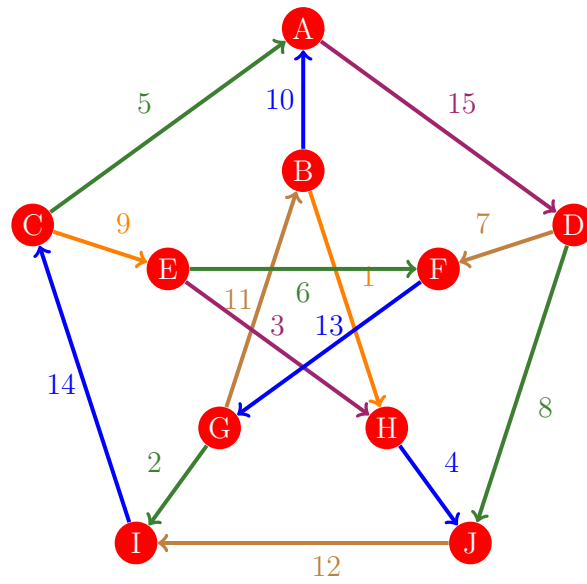


Figura 740: Flujo 732 de la gráfica de Petersen

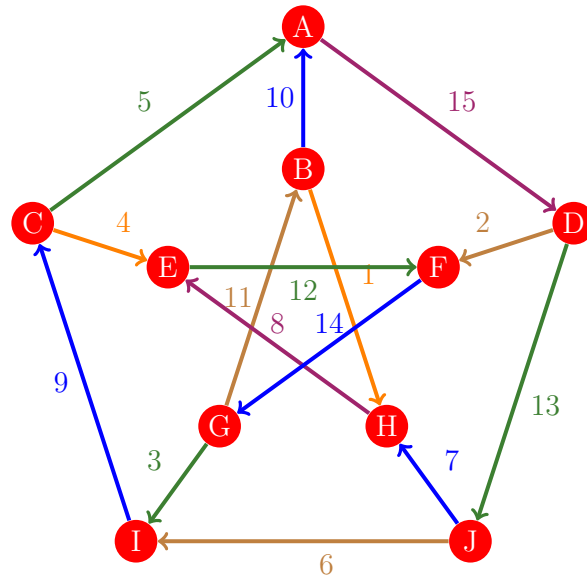


Figura 741: Flujo 733 de la gráfica de Petersen

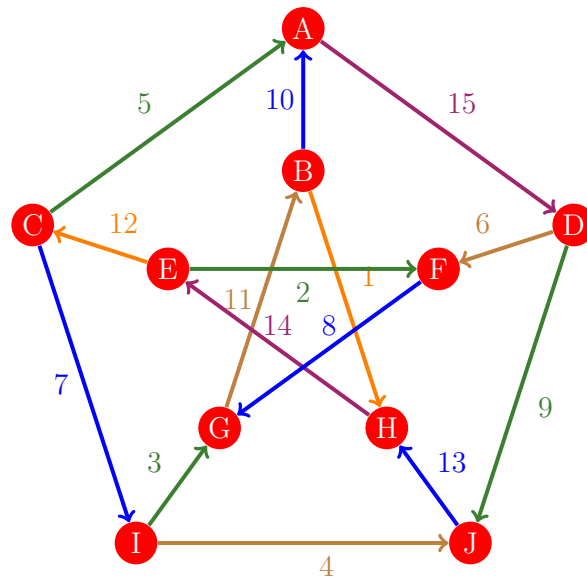


Figura 742: Flujo 734 de la gráfica de Petersen

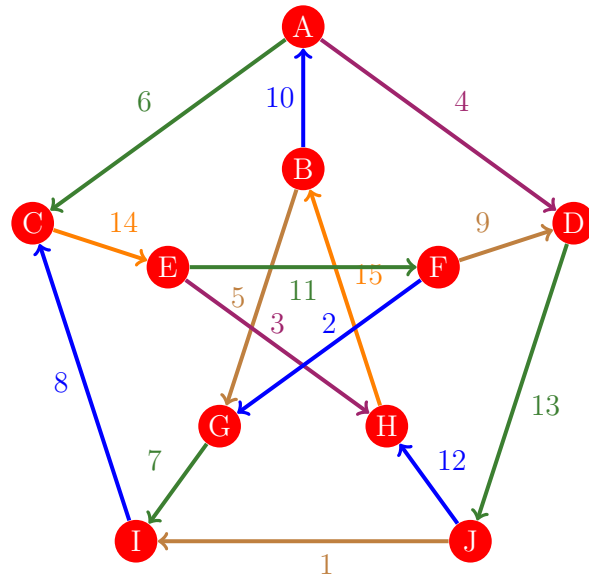


Figura 743: Flujo 735 de la gráfica de Petersen

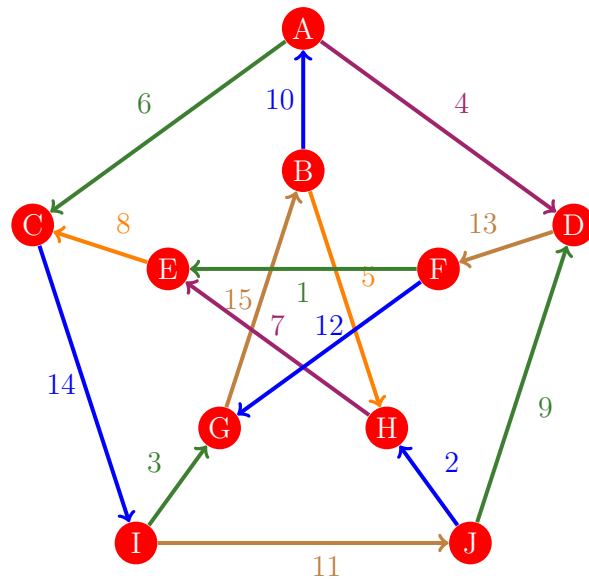


Figura 744: Flujo 736 de la gráfica de Petersen

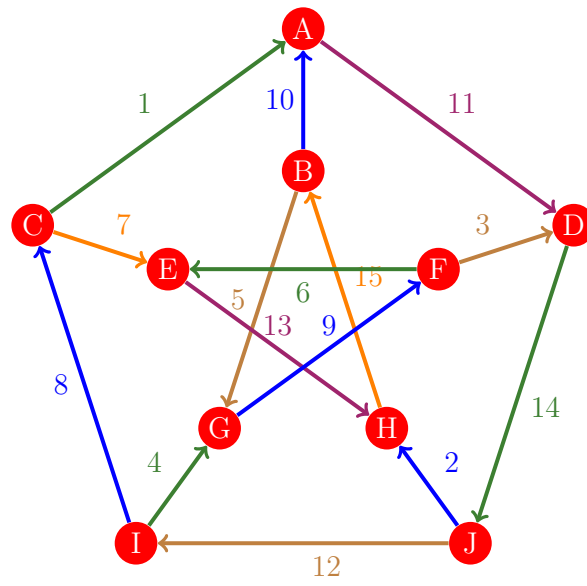


Figura 745: Flujo 737 de la gráfica de Petersen

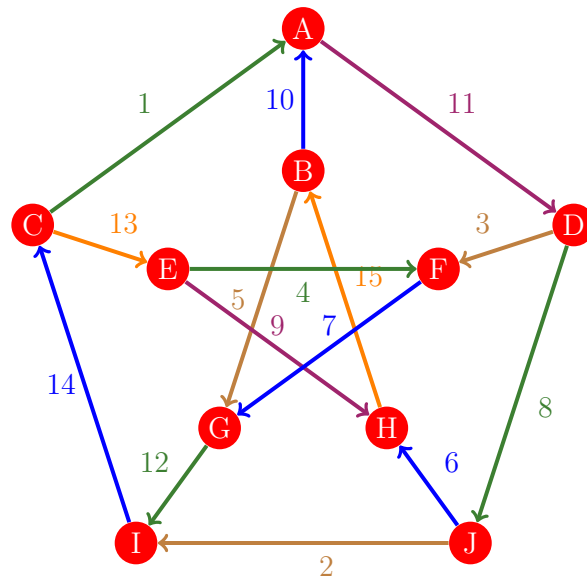


Figura 746: Flujo 738 de la gráfica de Petersen

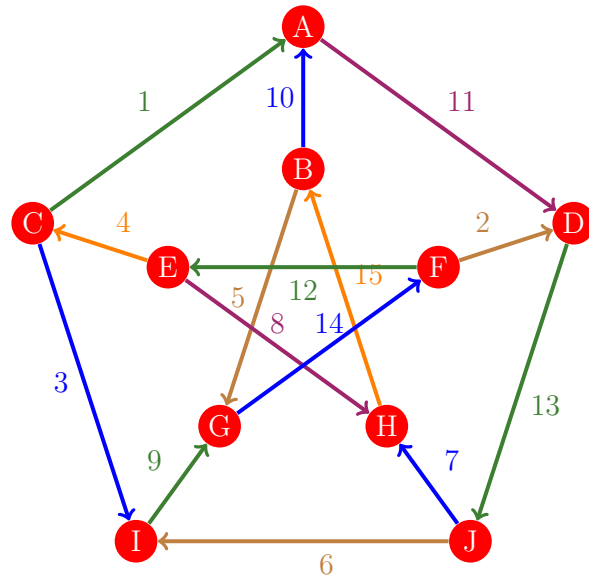


Figura 747: Flujo 739 de la gráfica de Petersen

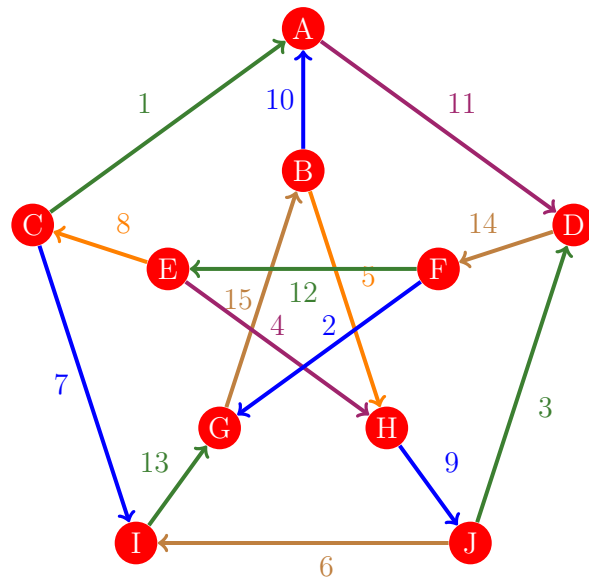


Figura 748: Flujo 740 de la gráfica de Petersen

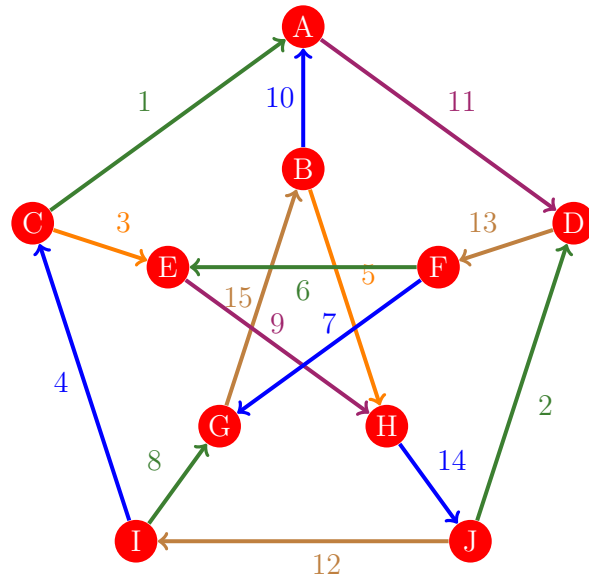


Figura 749: Flujo 741 de la gráfica de Petersen

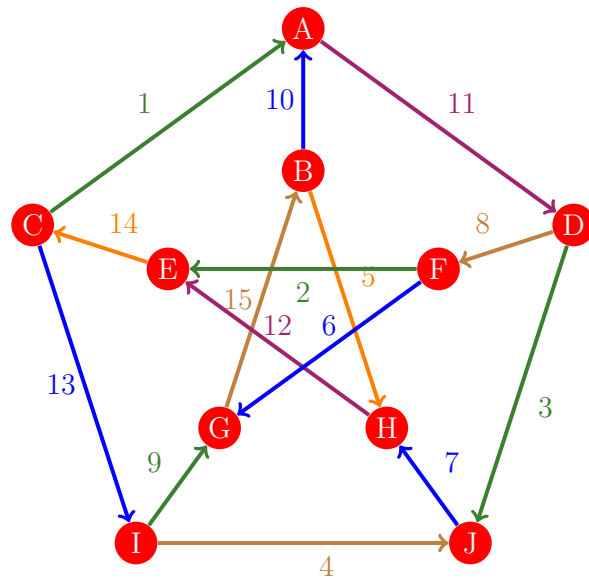


Figura 750: Flujo 742 de la gráfica de Petersen

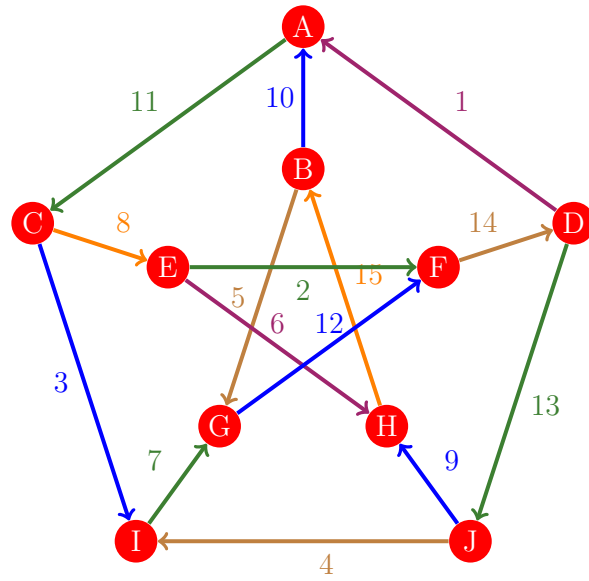


Figura 751: Flujo 743 de la gráfica de Petersen

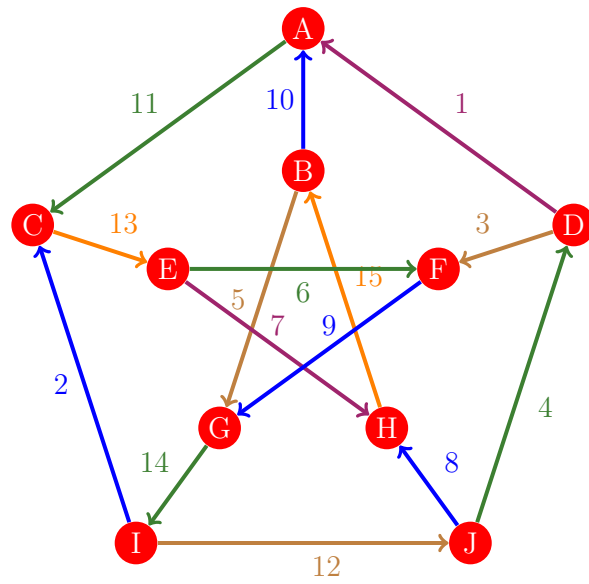


Figura 752: Flujo 744 de la gráfica de Petersen

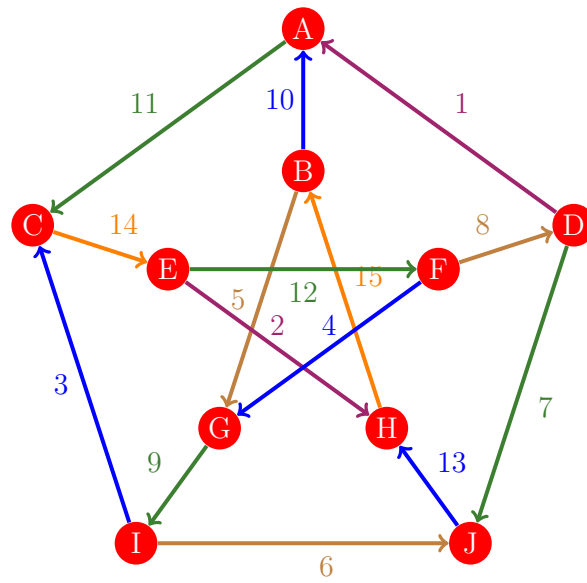


Figura 753: Flujo 745 de la gráfica de Petersen

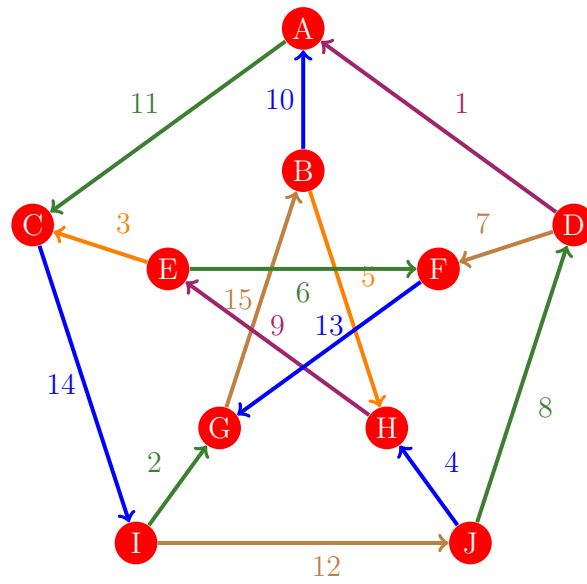


Figura 754: Flujo 746 de la gráfica de Petersen

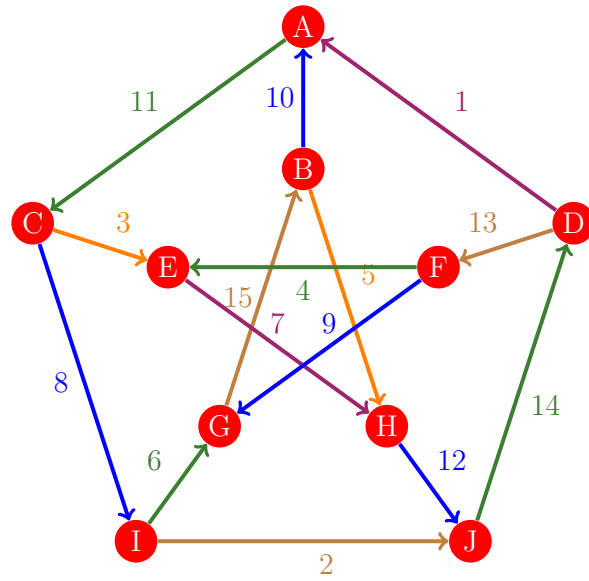


Figura 755: Flujo 747 de la gráfica de Petersen

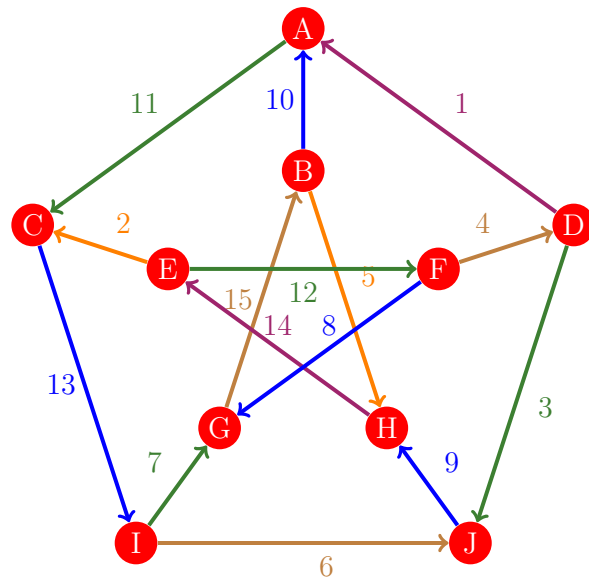


Figura 756: Flujo 748 de la gráfica de Petersen

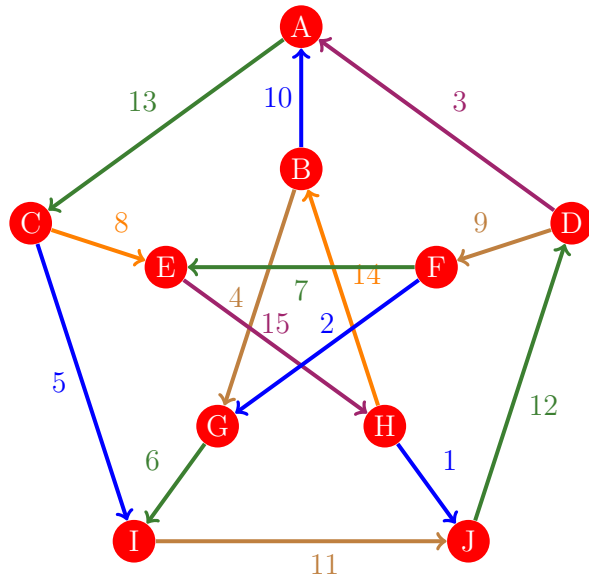


Figura 757: Flujo 749 de la gráfica de Petersen

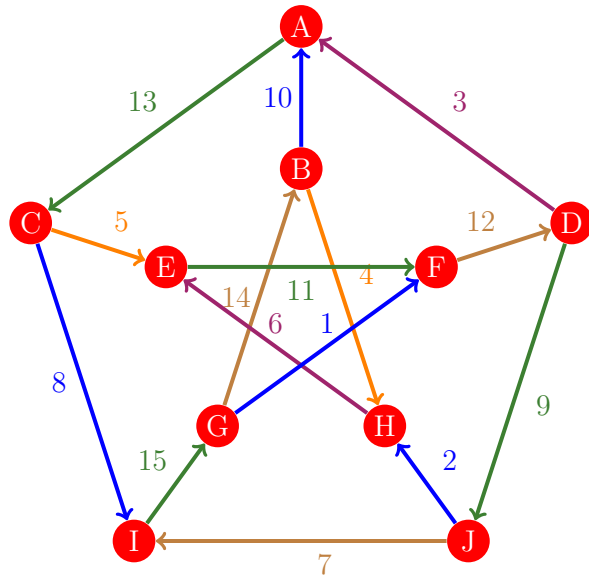


Figura 758: Flujo 750 de la gráfica de Petersen

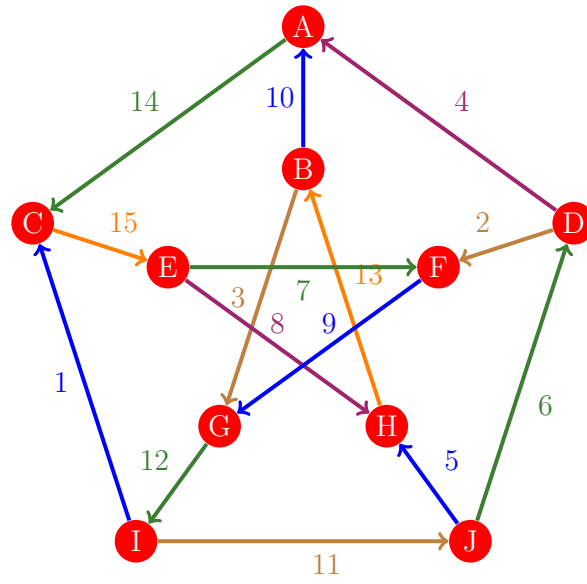


Figura 759: Flujo 751 de la gráfica de Petersen

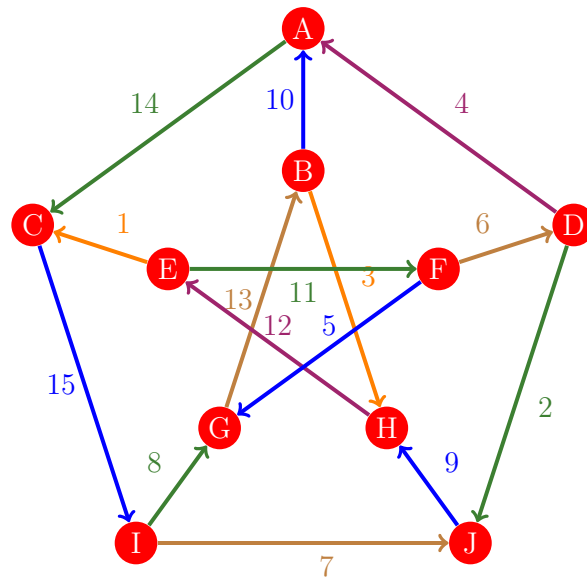


Figura 760: Flujo 752 de la gráfica de Petersen

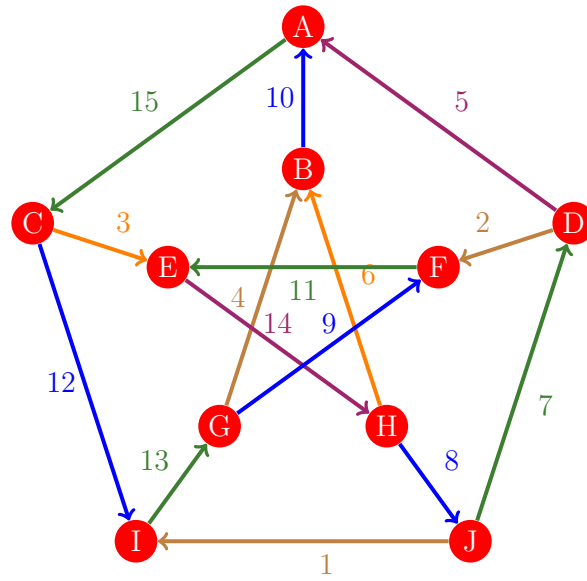


Figura 761: Flujo 753 de la gráfica de Petersen

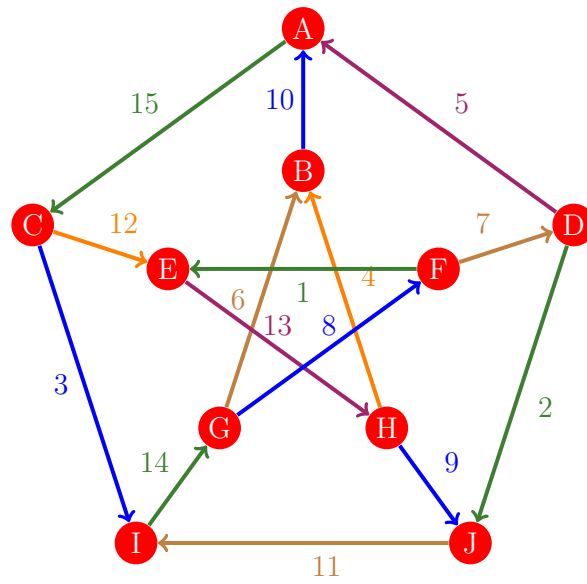


Figura 762: Flujo 754 de la gráfica de Petersen

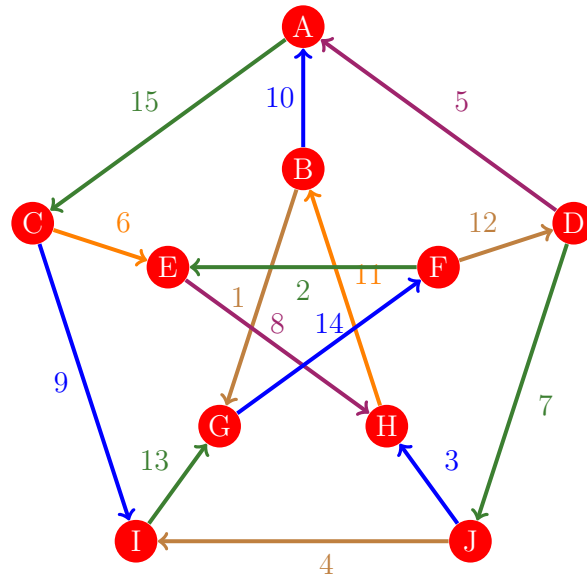


Figura 763: Flujo 755 de la gráfica de Petersen

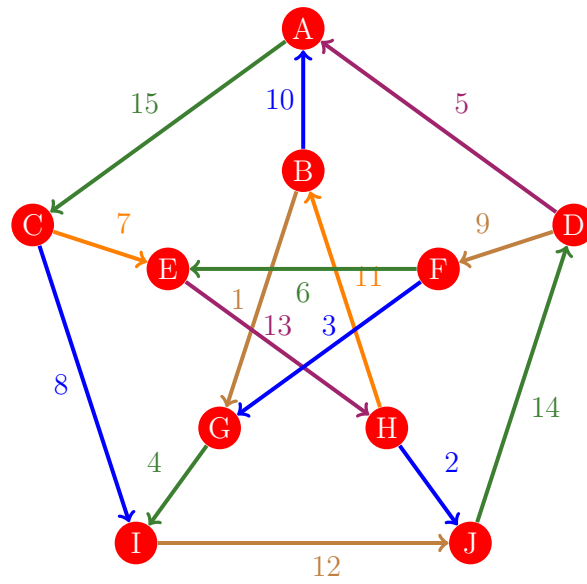


Figura 764: Flujo 756 de la gráfica de Petersen

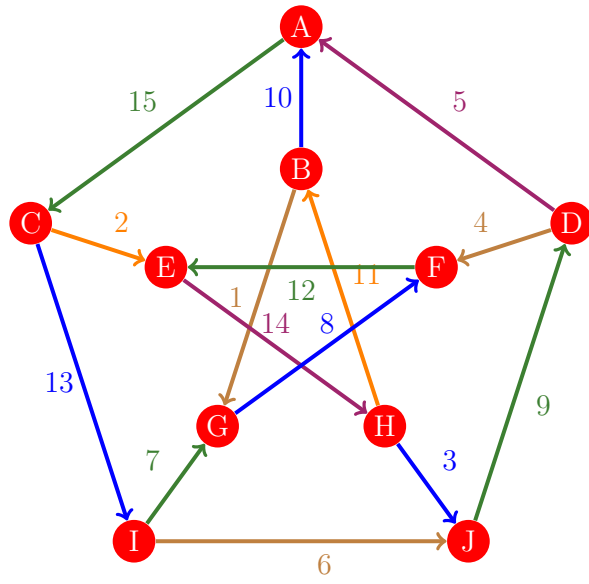


Figura 765: Flujo 757 de la gráfica de Petersen

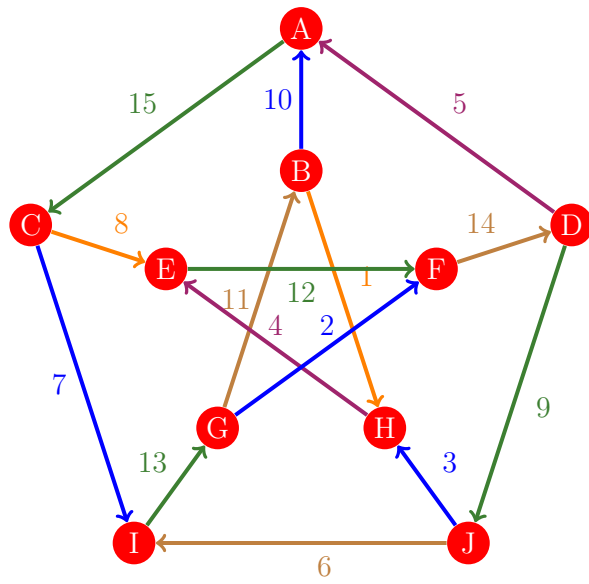


Figura 766: Flujo 758 de la gráfica de Petersen

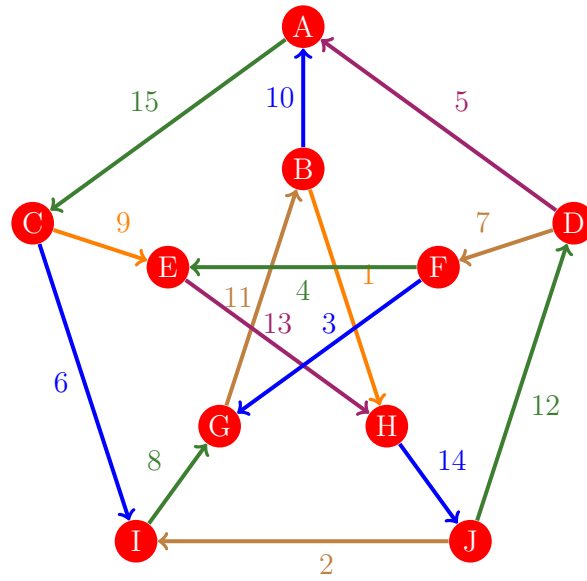


Figura 767: Flujo 759 de la gráfica de Petersen

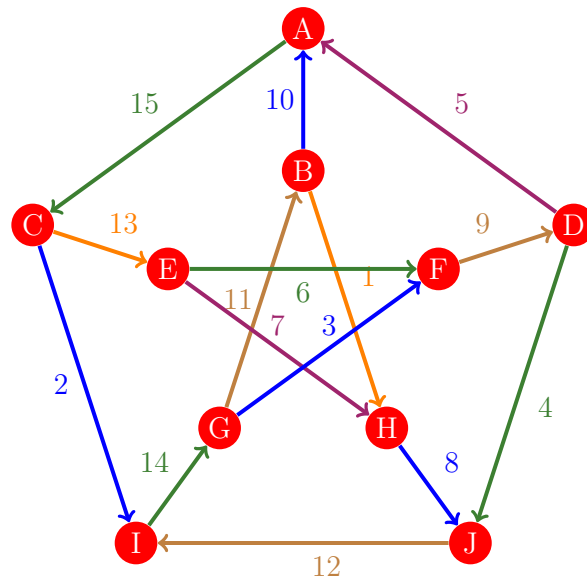


Figura 768: Flujo 760 de la gráfica de Petersen

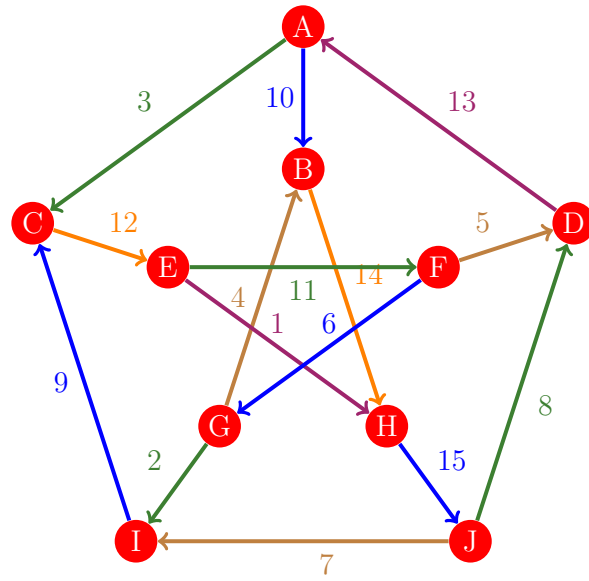


Figura 769: Flujo 761 de la gráfica de Petersen

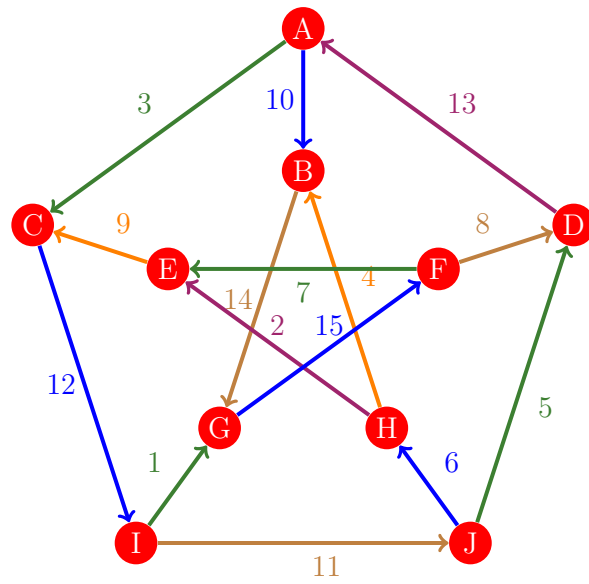


Figura 770: Flujo 762 de la gráfica de Petersen

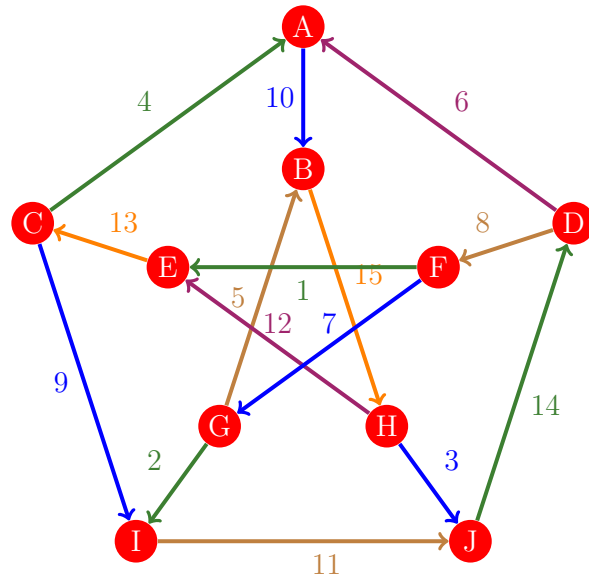


Figura 771: Flujo 763 de la gráfica de Petersen

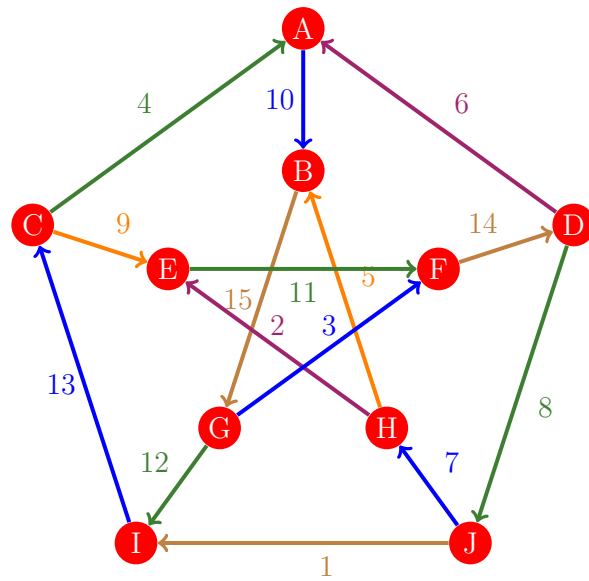


Figura 772: Flujo 764 de la gráfica de Petersen

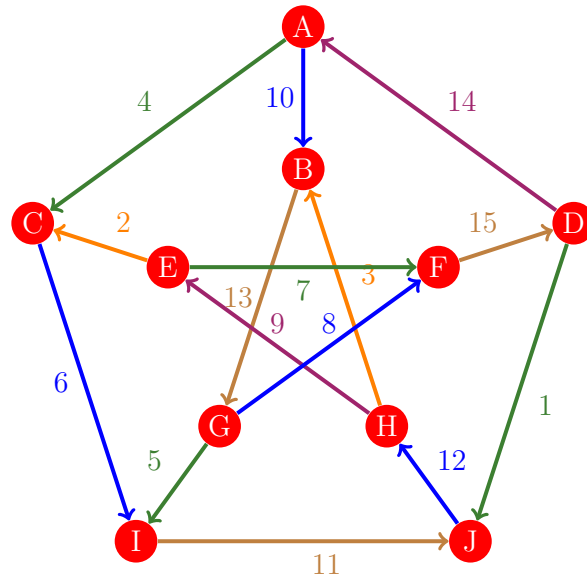


Figura 773: Flujo 765 de la gráfica de Petersen

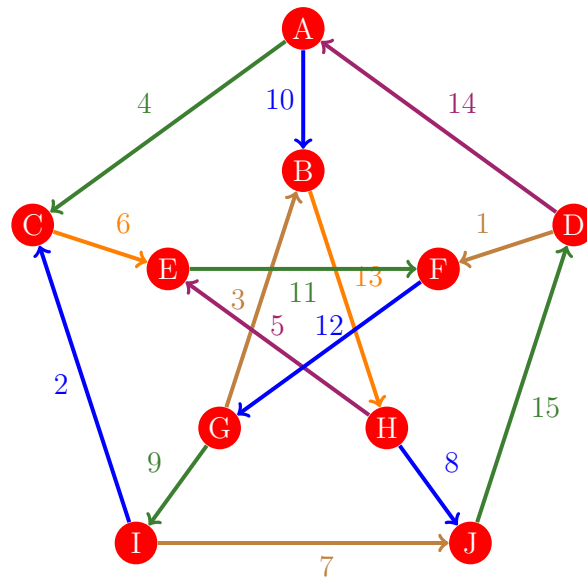


Figura 774: Flujo 766 de la gráfica de Petersen

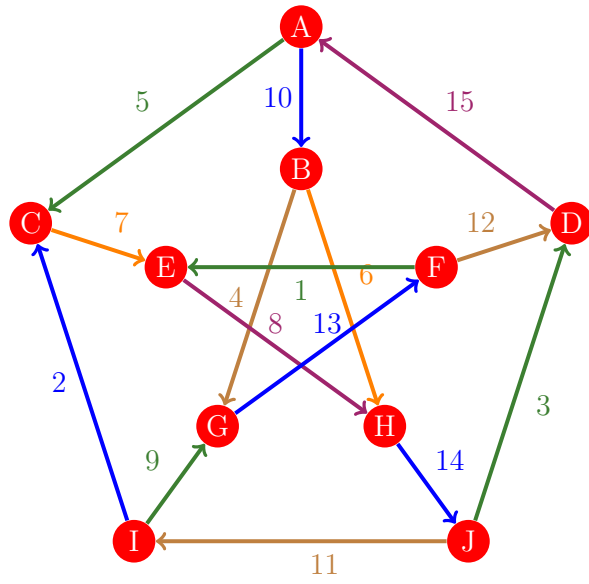


Figura 775: Flujo 767 de la gráfica de Petersen

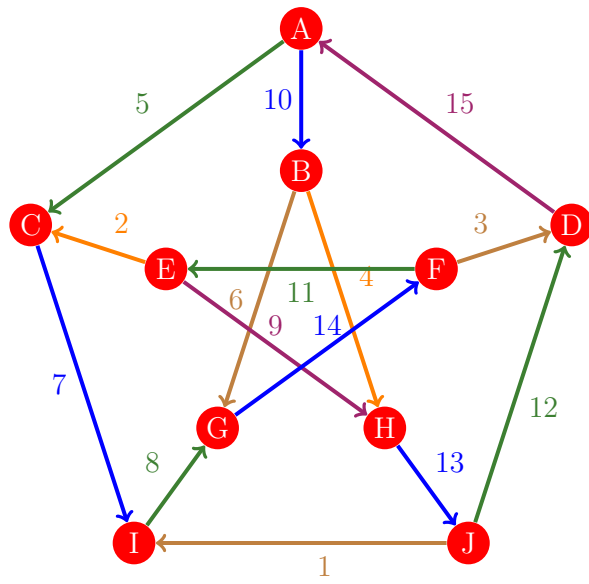


Figura 776: Flujo 768 de la gráfica de Petersen

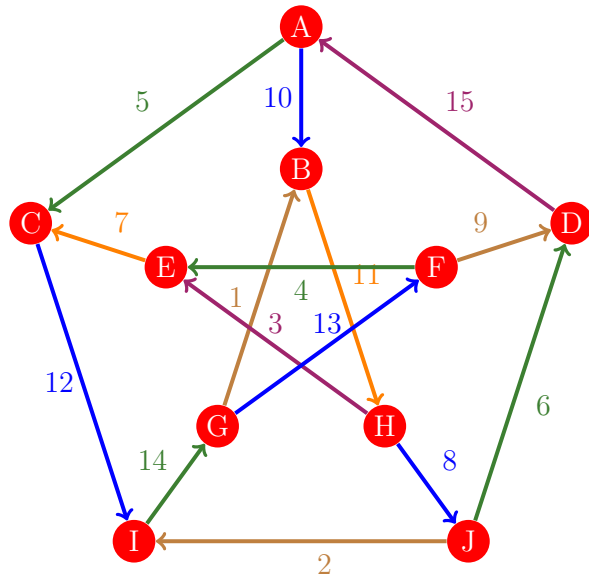


Figura 777: Flujo 769 de la gráfica de Petersen

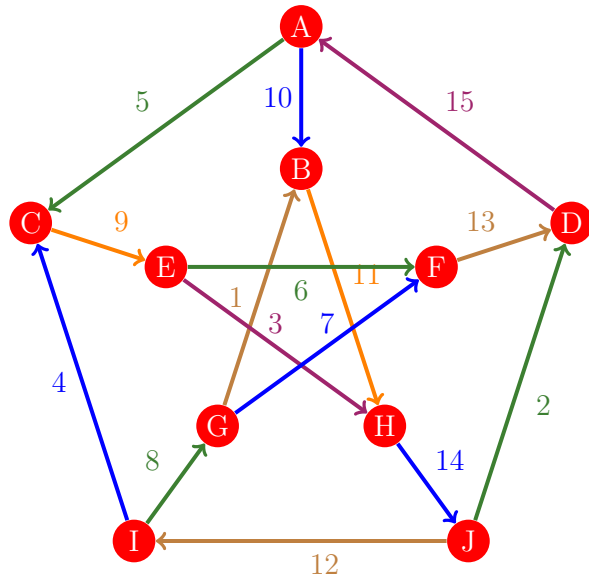


Figura 778: Flujo 770 de la gráfica de Petersen

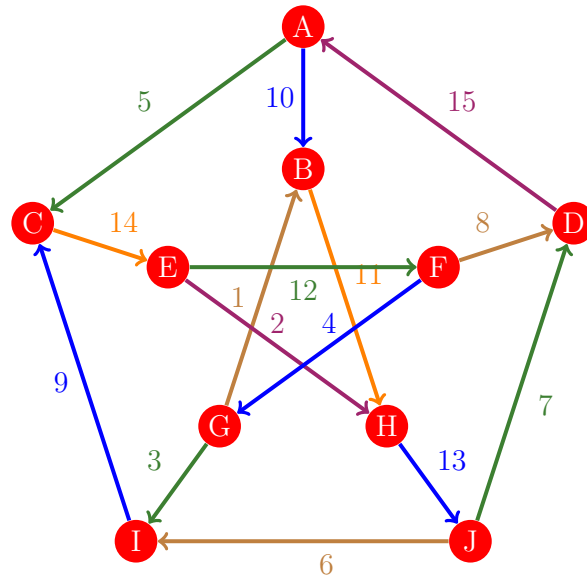


Figura 779: Flujo 771 de la gráfica de Petersen

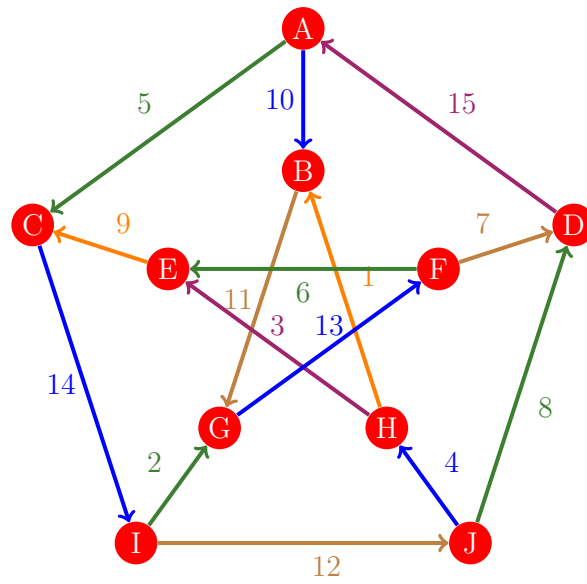


Figura 780: Flujo 772 de la gráfica de Petersen

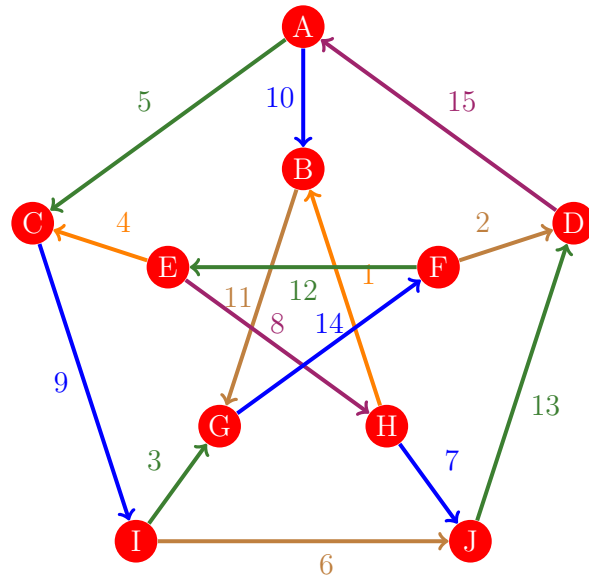


Figura 781: Flujo 773 de la gráfica de Petersen

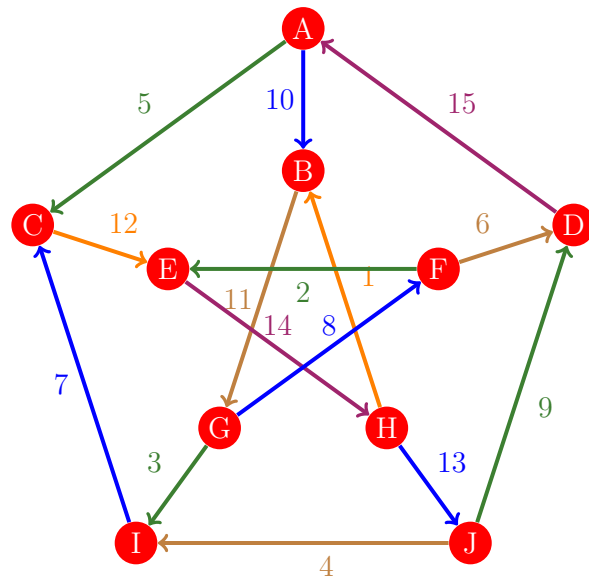


Figura 782: Flujo 774 de la gráfica de Petersen

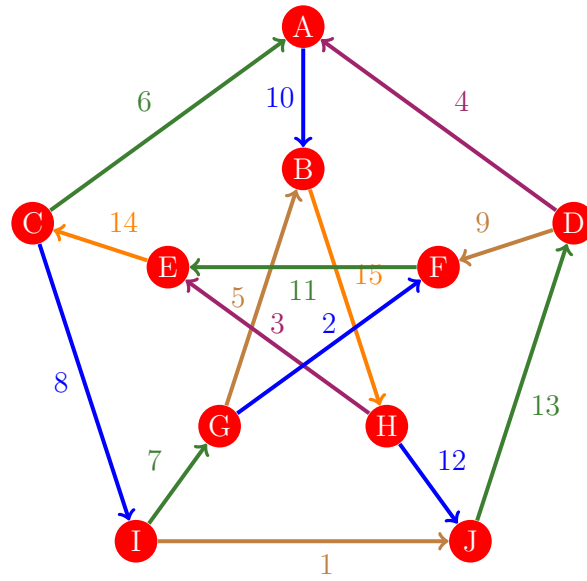


Figura 783: Flujo 775 de la gráfica de Petersen

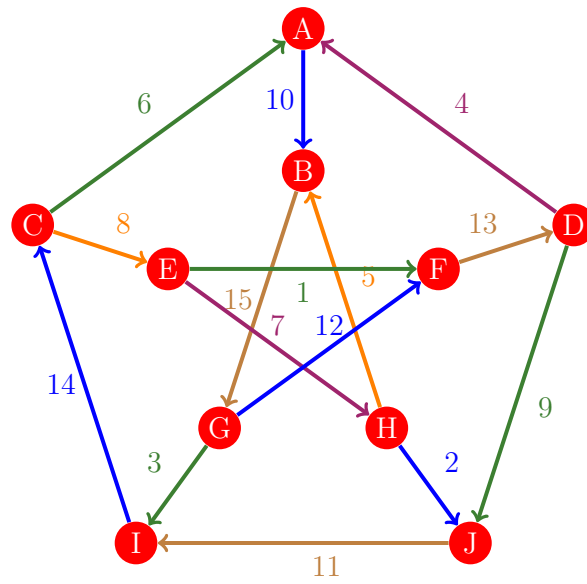


Figura 784: Flujo 776 de la gráfica de Petersen

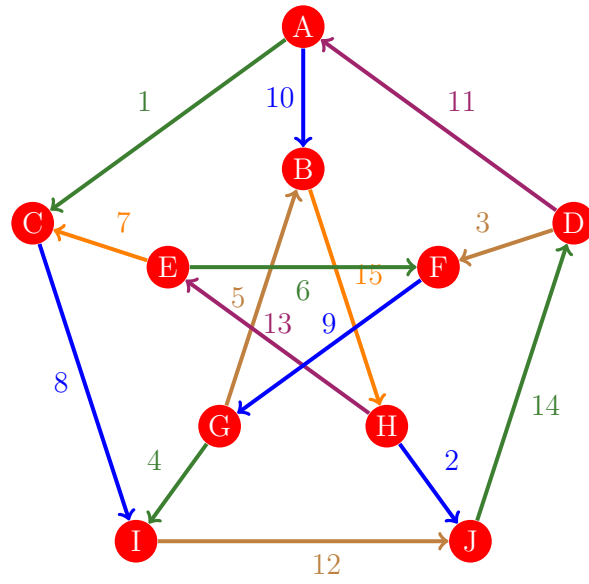


Figura 785: Flujo 777 de la gráfica de Petersen

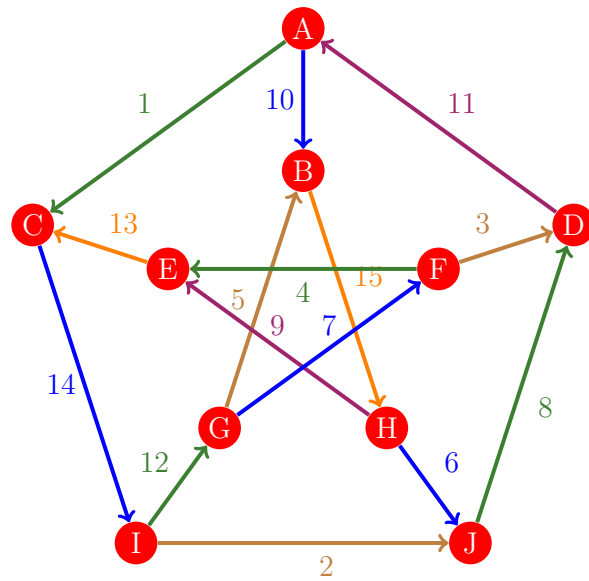


Figura 786: Flujo 778 de la gráfica de Petersen

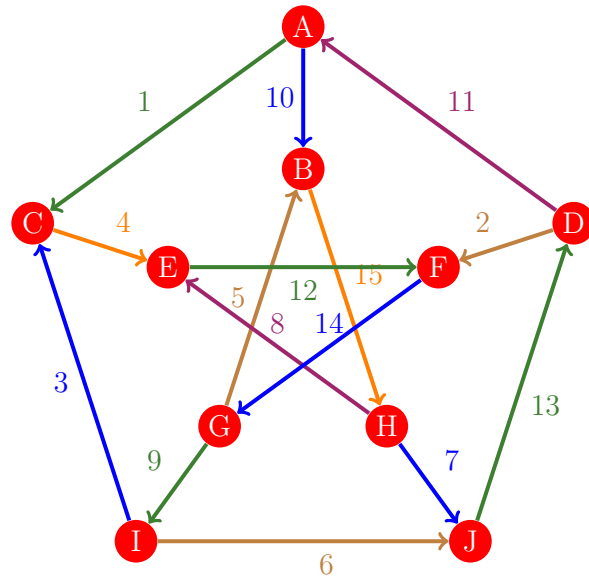


Figura 787: Flujo 779 de la gráfica de Petersen

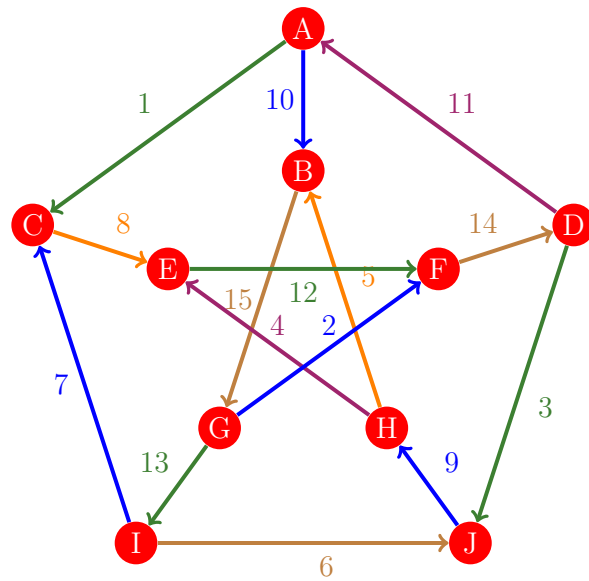


Figura 788: Flujo 780 de la gráfica de Petersen

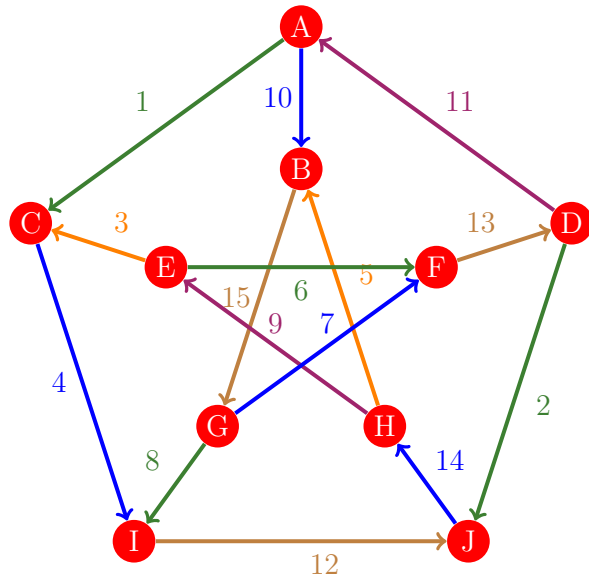


Figura 789: Flujo 781 de la gráfica de Petersen

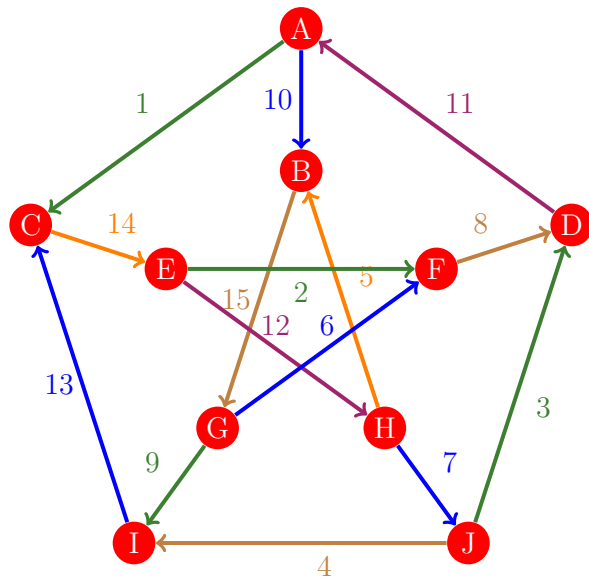


Figura 790: Flujo 782 de la gráfica de Petersen

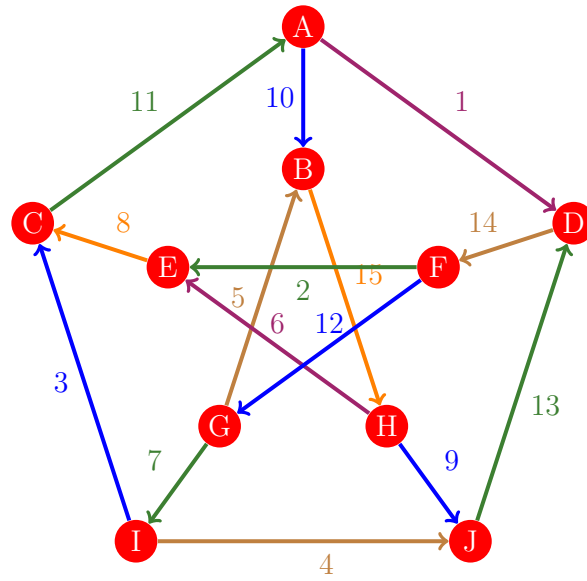


Figura 791: Flujo 783 de la gráfica de Petersen

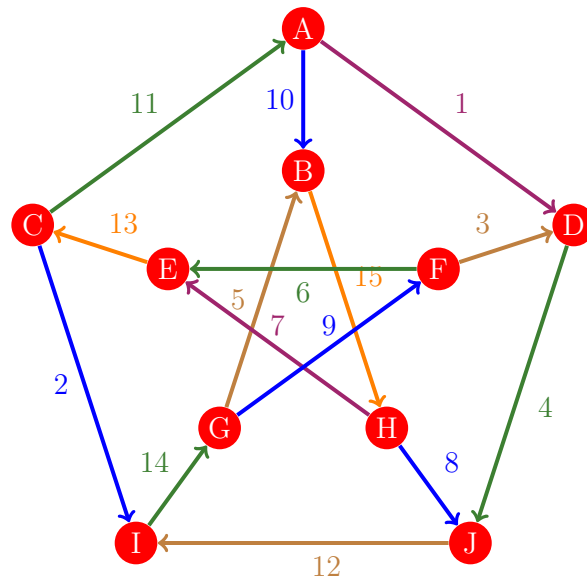


Figura 792: Flujo 784 de la gráfica de Petersen

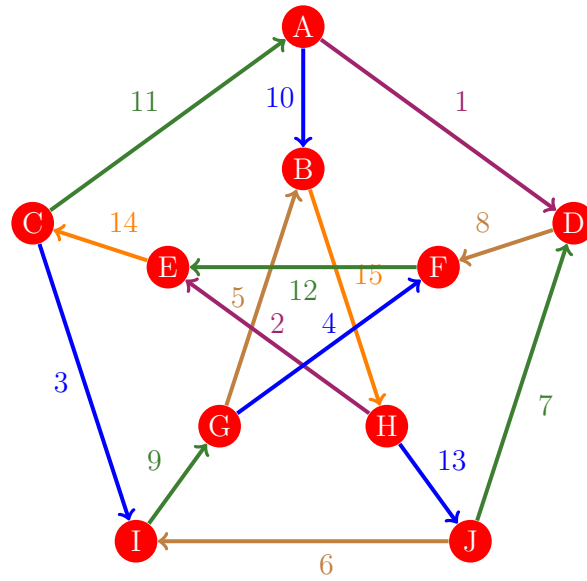


Figura 793: Flujo 785 de la gráfica de Petersen

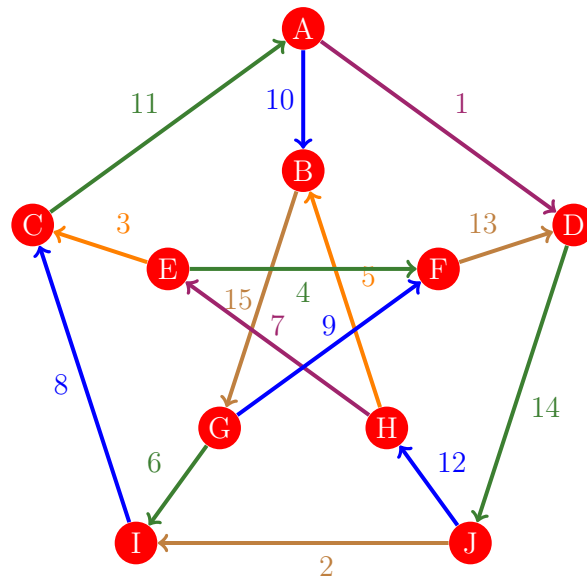


Figura 794: Flujo 786 de la gráfica de Petersen

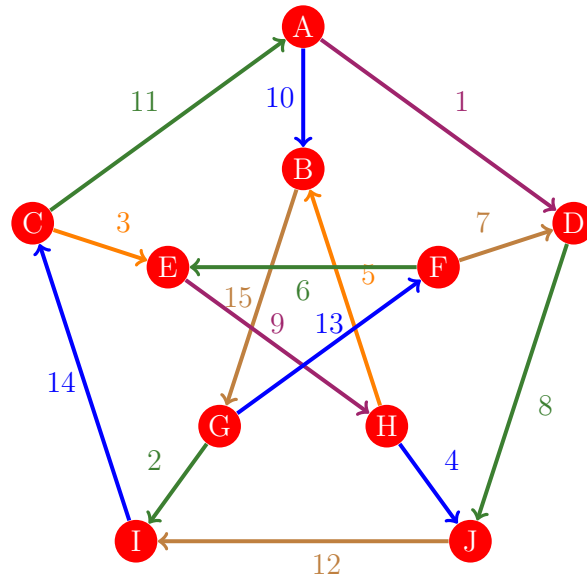


Figura 795: Flujo 787 de la gráfica de Petersen

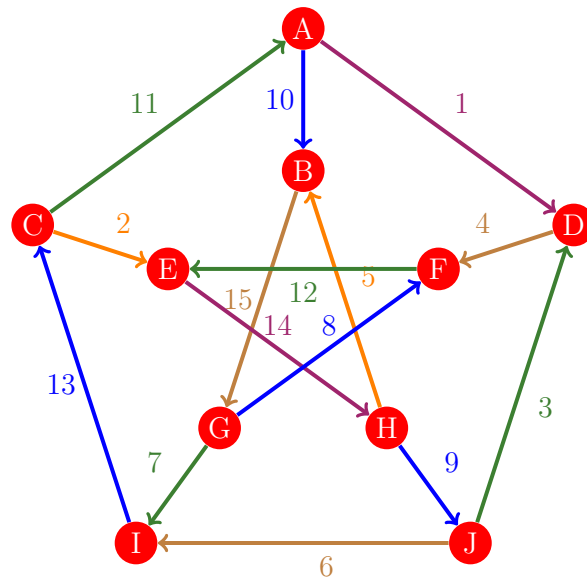


Figura 796: Flujo 788 de la gráfica de Petersen

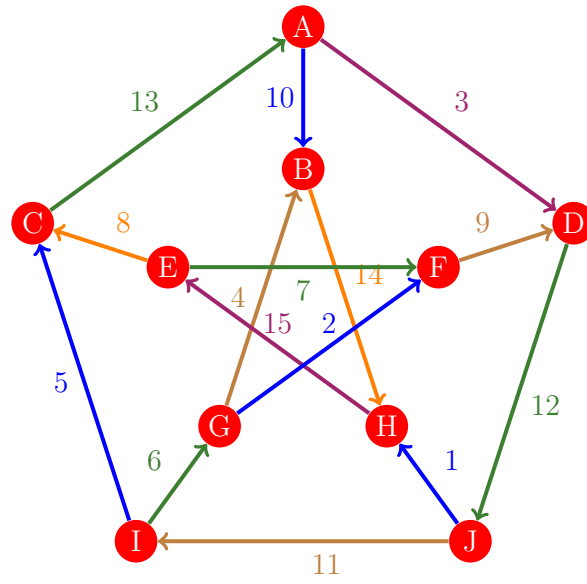


Figura 797: Flujo 789 de la gráfica de Petersen

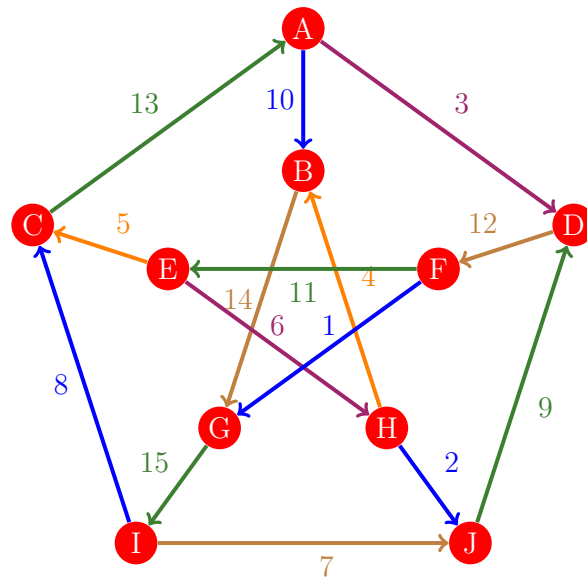


Figura 798: Flujo 790 de la gráfica de Petersen

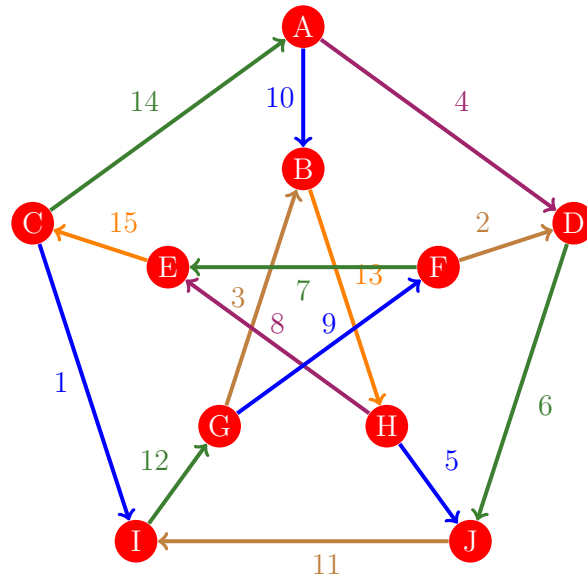


Figura 799: Flujo 791 de la gráfica de Petersen

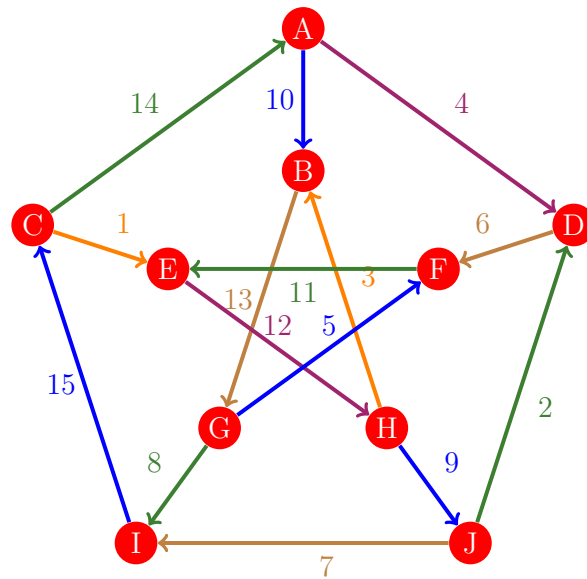


Figura 800: Flujo 792 de la gráfica de Petersen

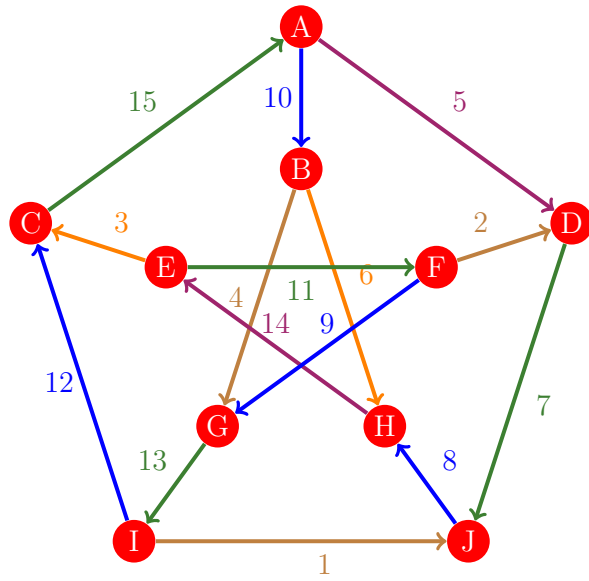


Figura 801: Flujo 793 de la gráfica de Petersen

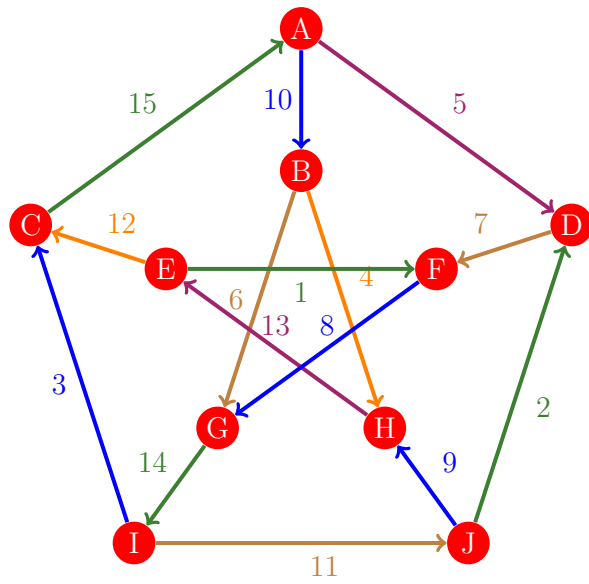


Figura 802: Flujo 794 de la gráfica de Petersen

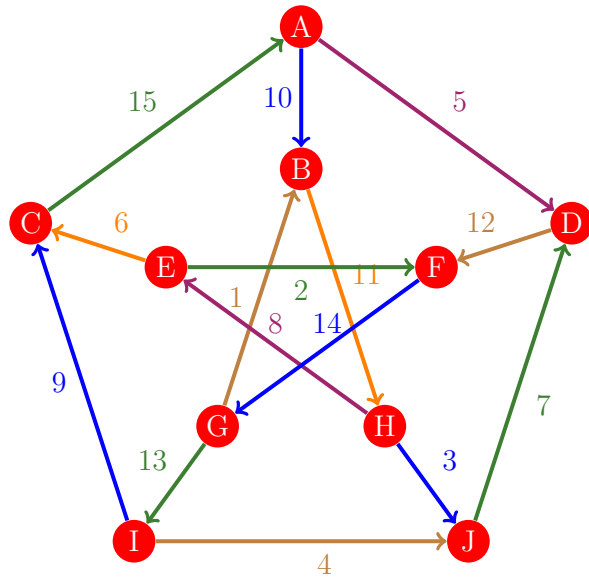


Figura 803: Flujo 795 de la gráfica de Petersen

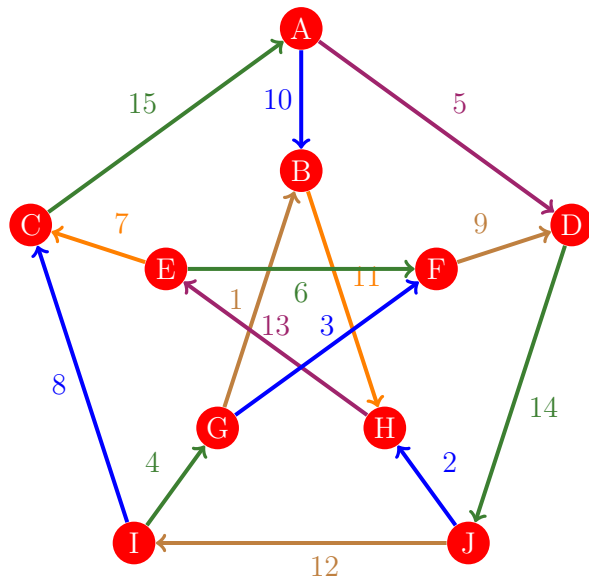


Figura 804: Flujo 796 de la gráfica de Petersen

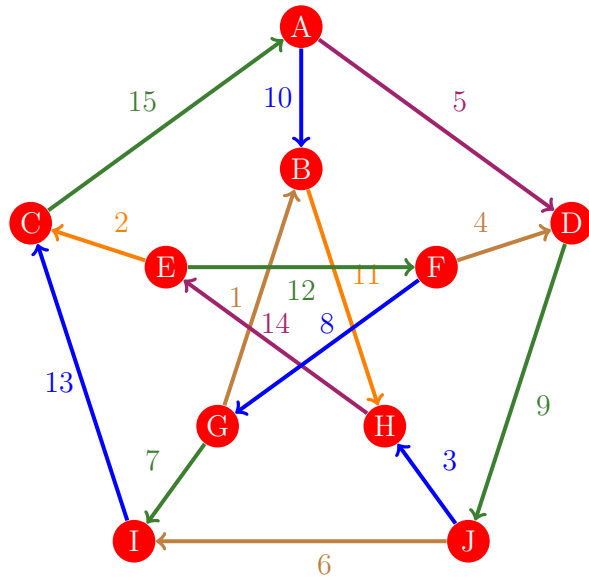


Figura 805: Flujo 797 de la gráfica de Petersen

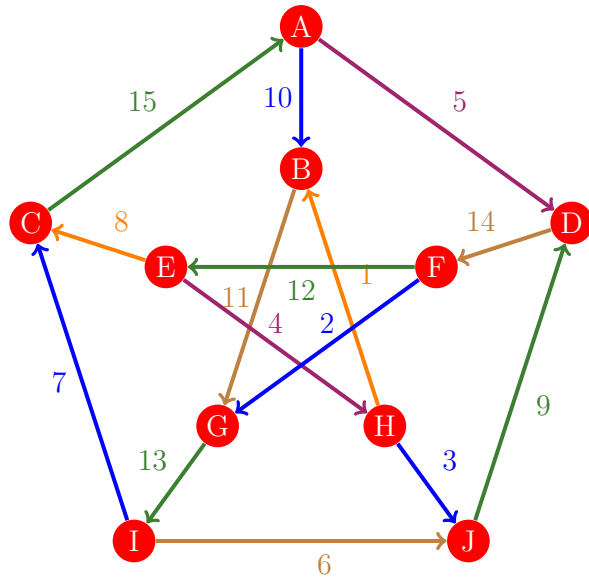


Figura 806: Flujo 798 de la gráfica de Petersen

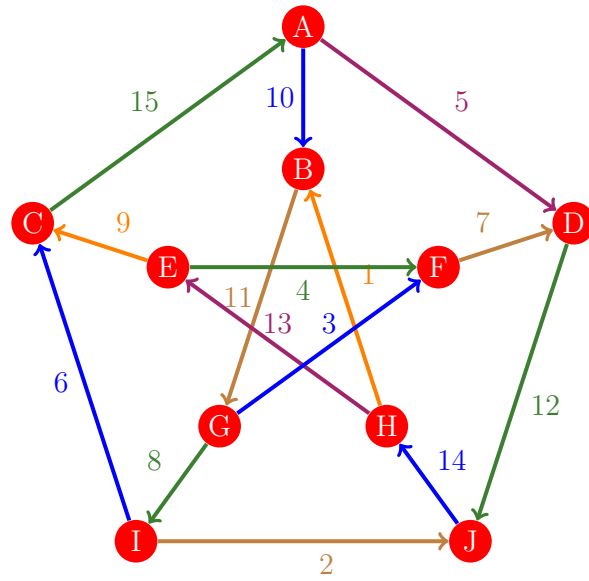


Figura 807: Flujo 799 de la gráfica de Petersen

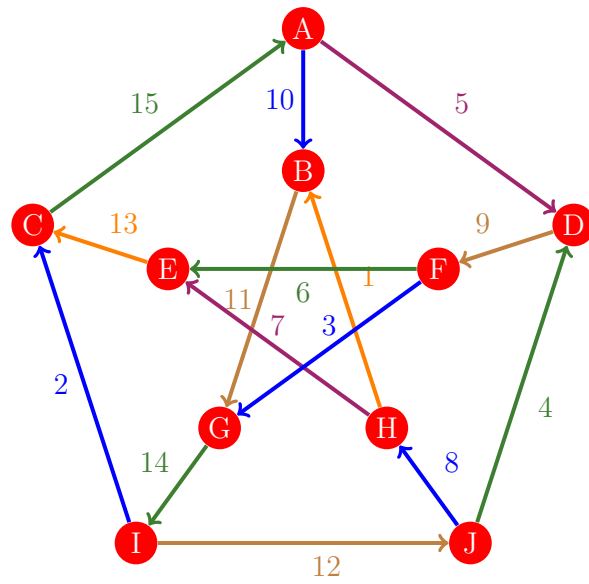


Figura 808: Flujo 800 de la gráfica de Petersen

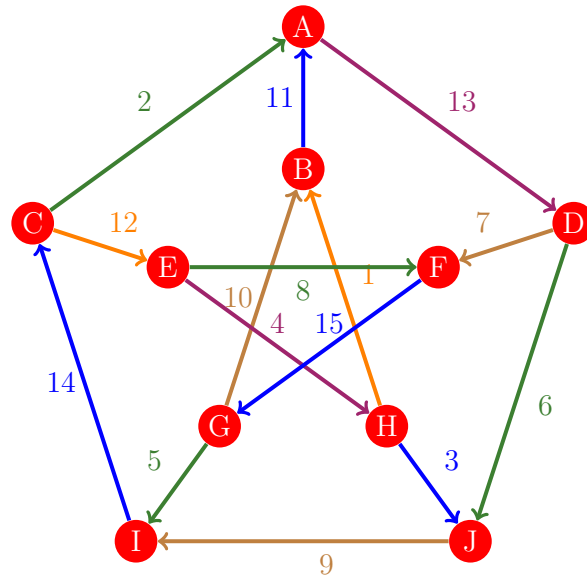


Figura 809: Flujo 801 de la gráfica de Petersen

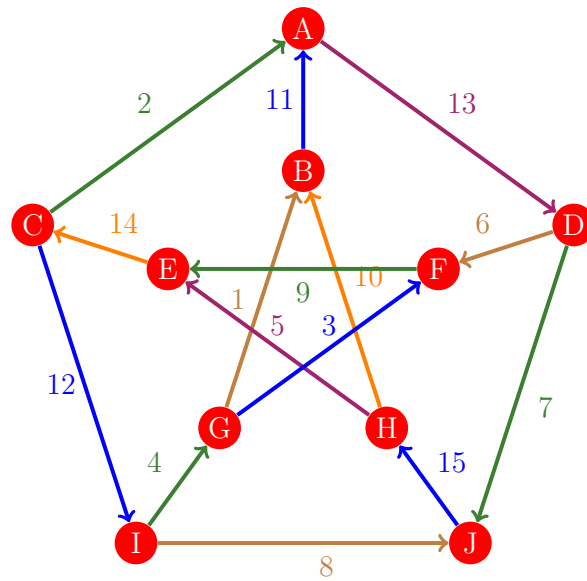


Figura 810: Flujo 802 de la gráfica de Petersen

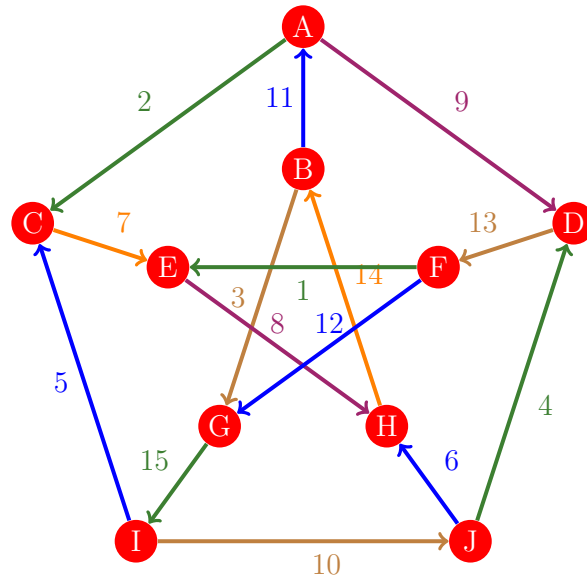


Figura 811: Flujo 803 de la gráfica de Petersen

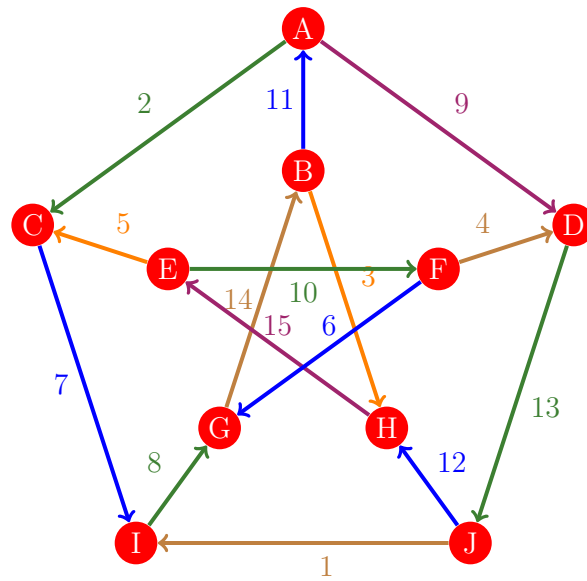


Figura 812: Flujo 804 de la gráfica de Petersen

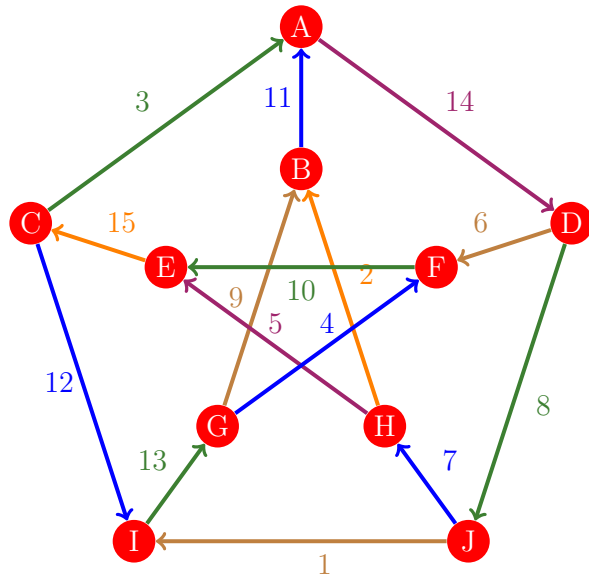


Figura 813: Flujo 805 de la gráfica de Petersen

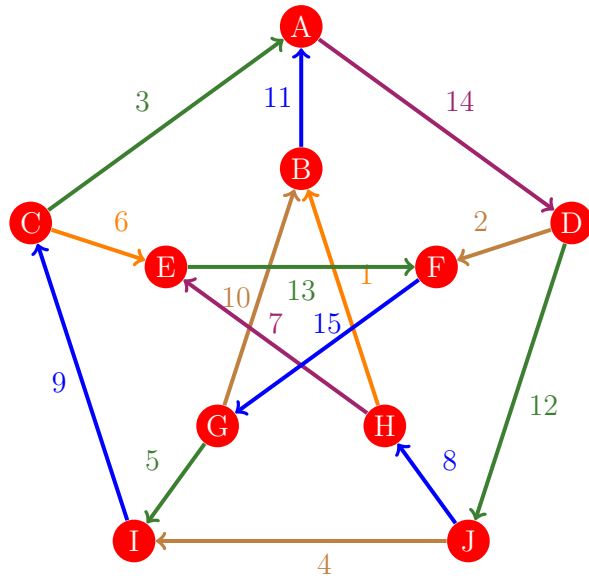


Figura 814: Flujo 806 de la gráfica de Petersen

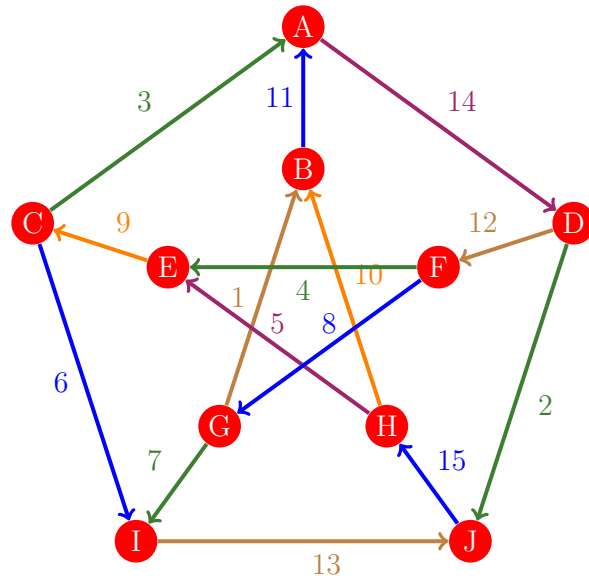


Figura 815: Flujo 807 de la gráfica de Petersen

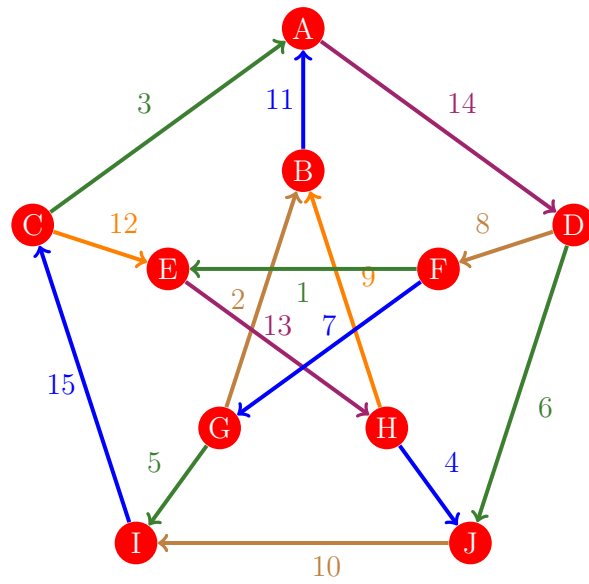


Figura 816: Flujo 808 de la gráfica de Petersen

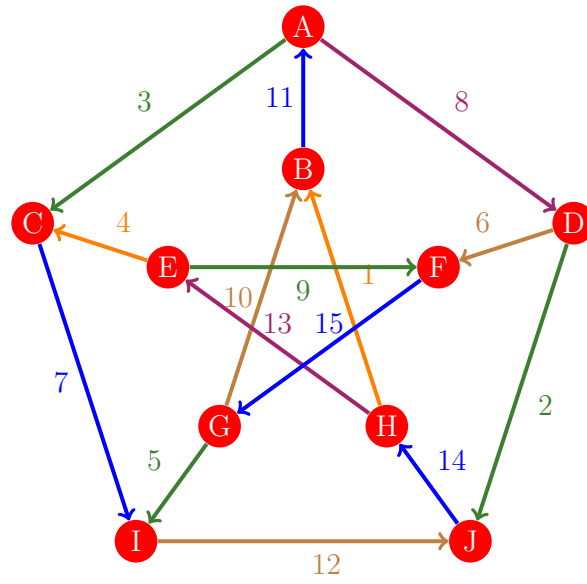


Figura 817: Flujo 809 de la gráfica de Petersen

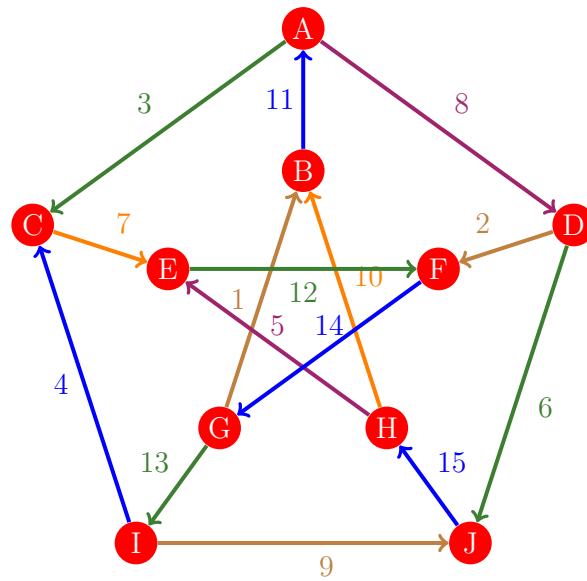


Figura 818: Flujo 810 de la gráfica de Petersen

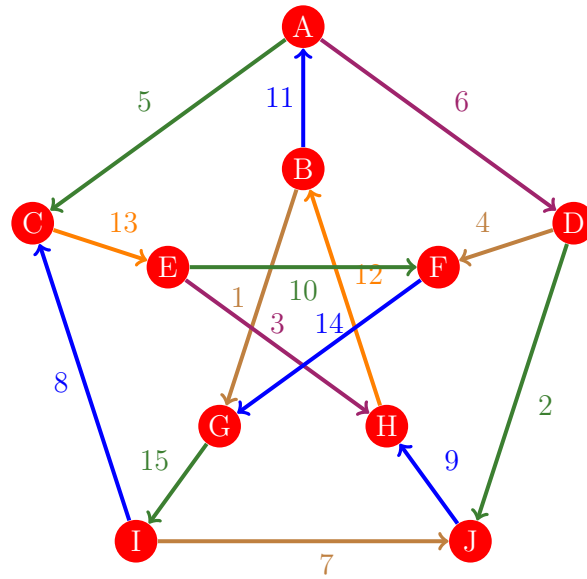


Figura 819: Flujo 811 de la gráfica de Petersen

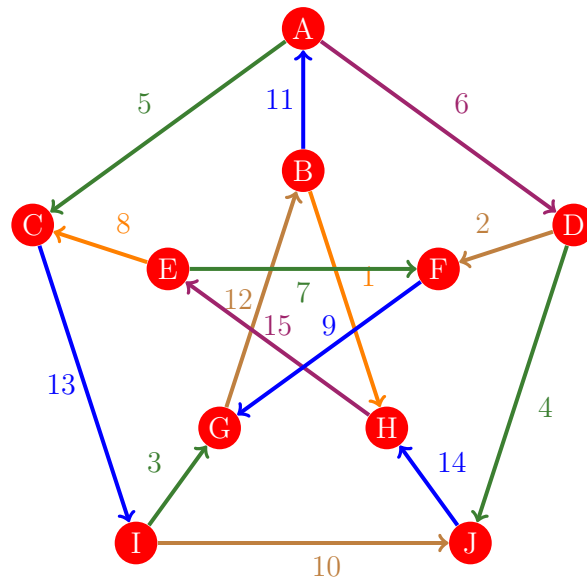


Figura 820: Flujo 812 de la gráfica de Petersen

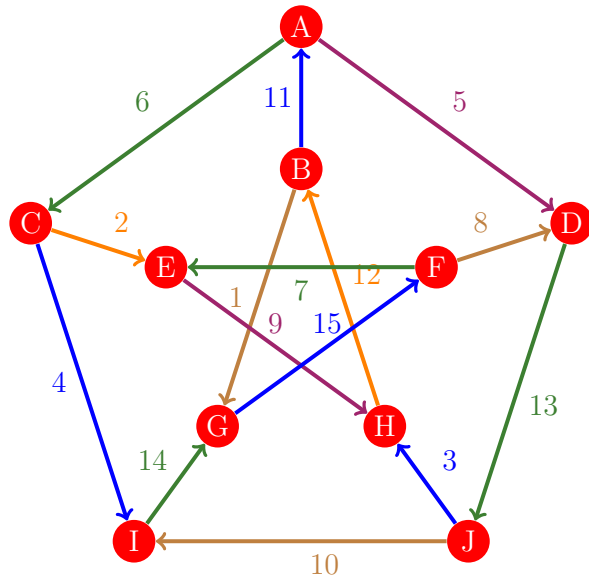


Figura 821: Flujo 813 de la gráfica de Petersen

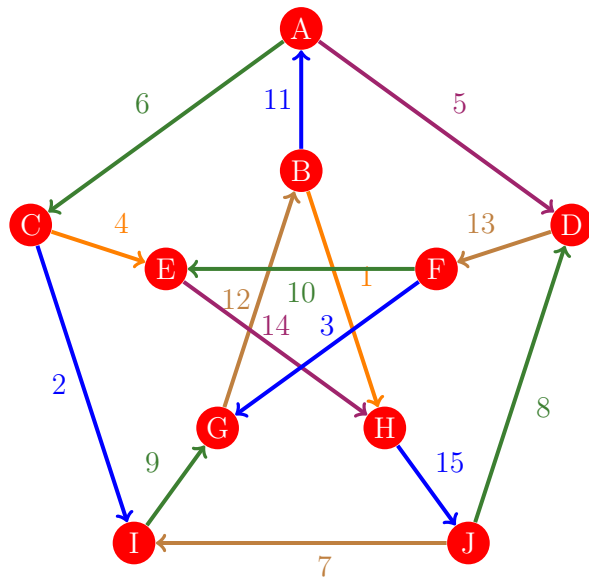


Figura 822: Flujo 814 de la gráfica de Petersen

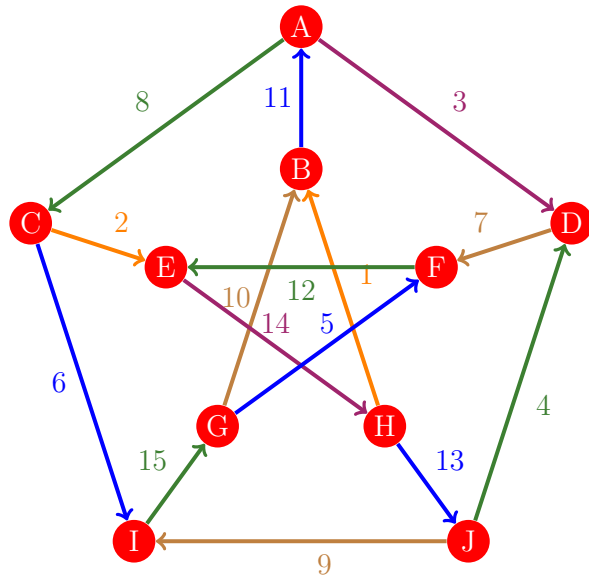


Figura 823: Flujo 815 de la gráfica de Petersen

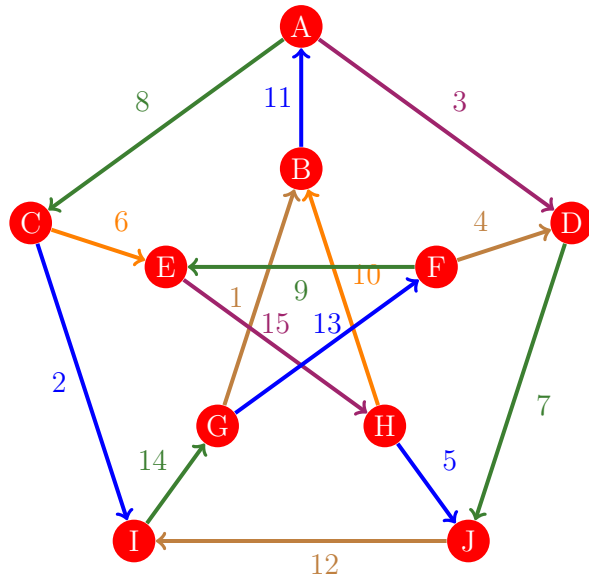


Figura 824: Flujo 816 de la gráfica de Petersen

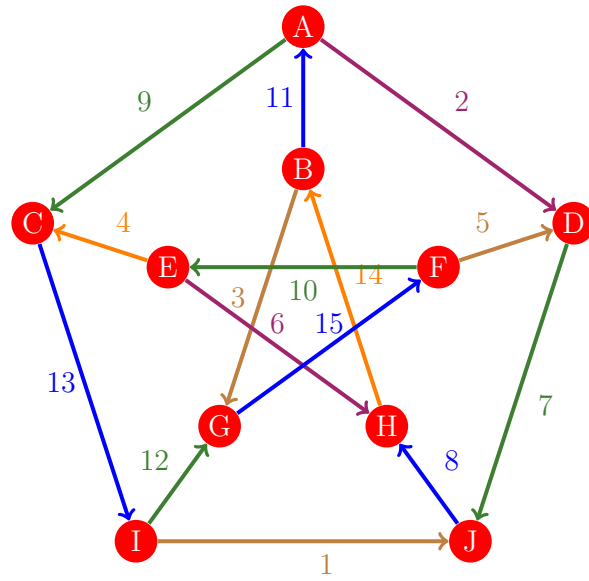


Figura 825: Flujo 817 de la gráfica de Petersen

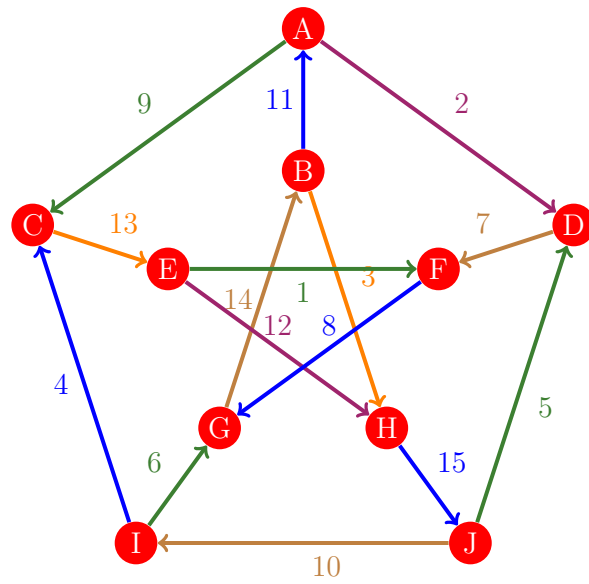


Figura 826: Flujo 818 de la gráfica de Petersen

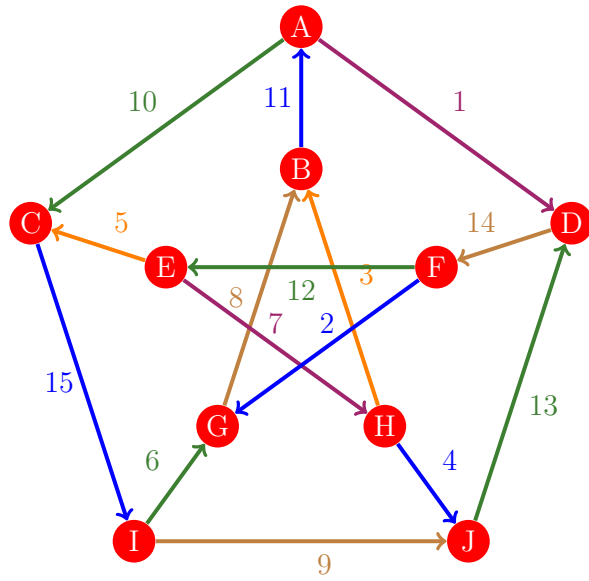


Figura 827: Flujo 819 de la gráfica de Petersen

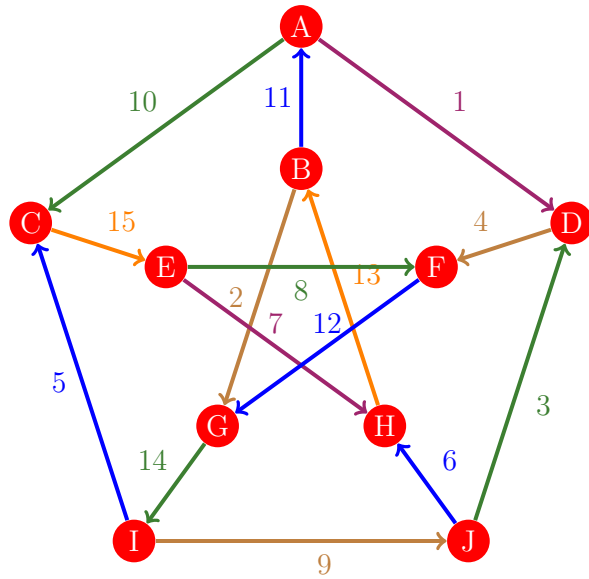


Figura 828: Flujo 820 de la gráfica de Petersen

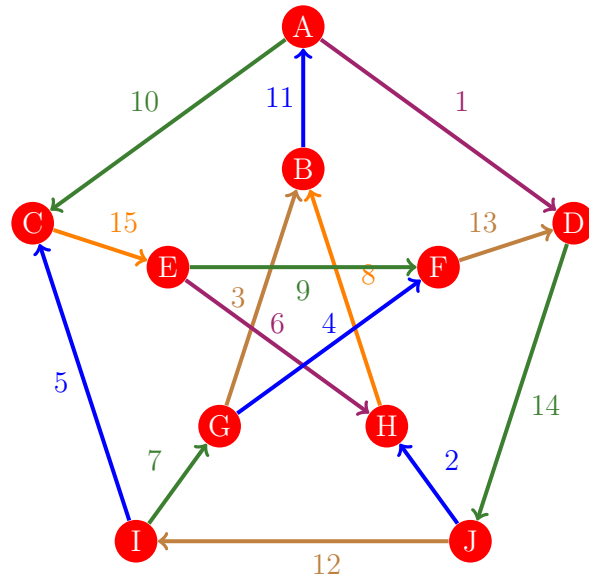


Figura 829: Flujo 821 de la gráfica de Petersen

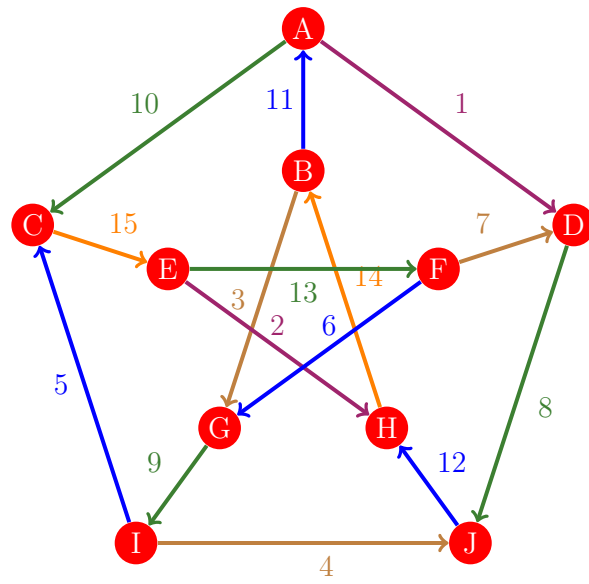


Figura 830: Flujo 822 de la gráfica de Petersen

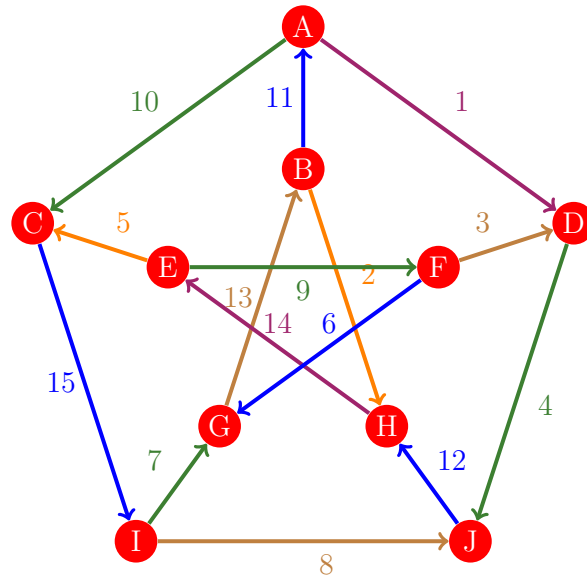


Figura 831: Flujo 823 de la gráfica de Petersen

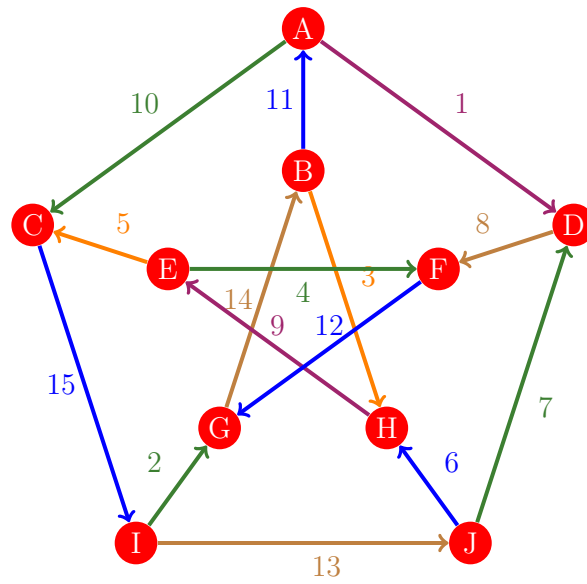


Figura 832: Flujo 824 de la gráfica de Petersen

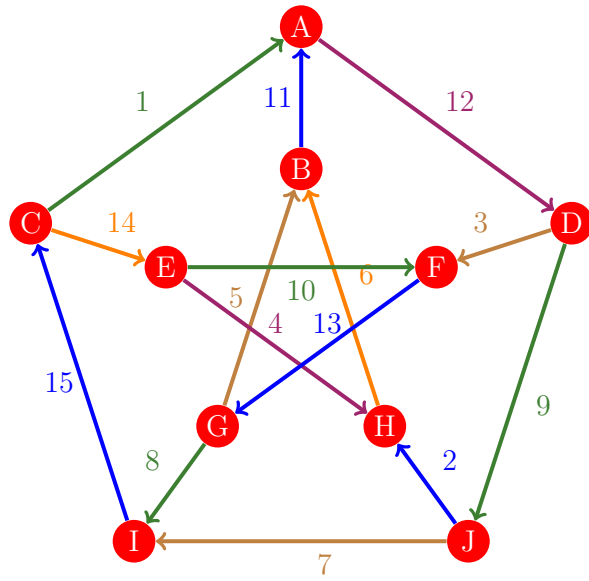


Figura 833: Flujo 825 de la gráfica de Petersen

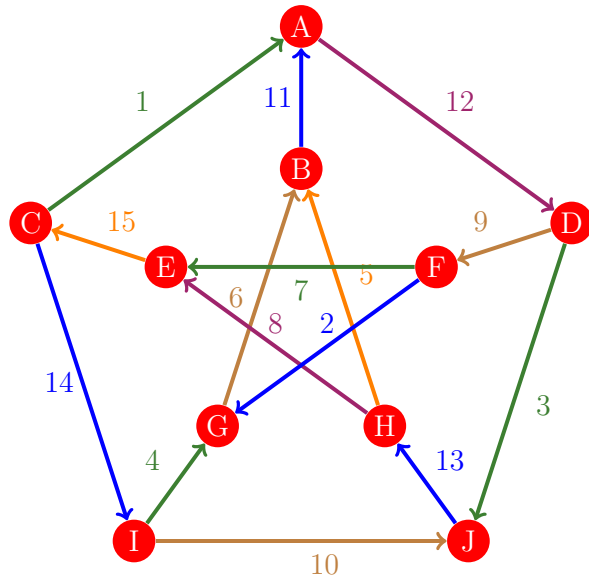


Figura 834: Flujo 826 de la gráfica de Petersen

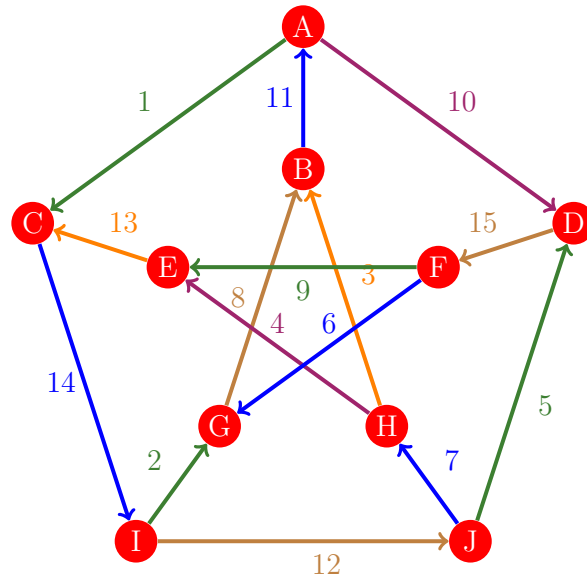


Figura 835: Flujo 827 de la gráfica de Petersen

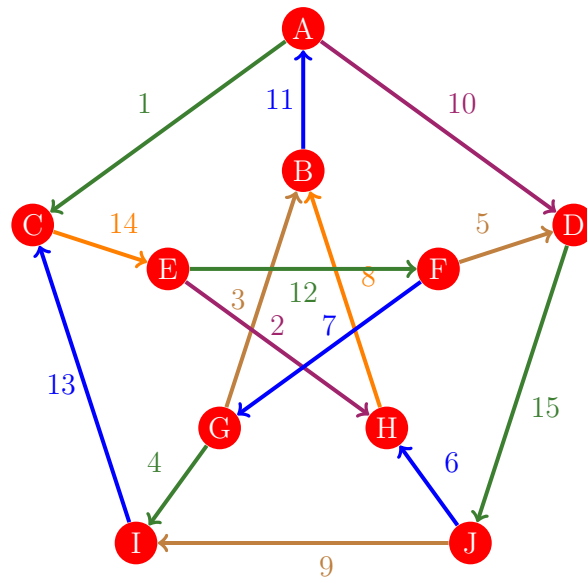


Figura 836: Flujo 828 de la gráfica de Petersen

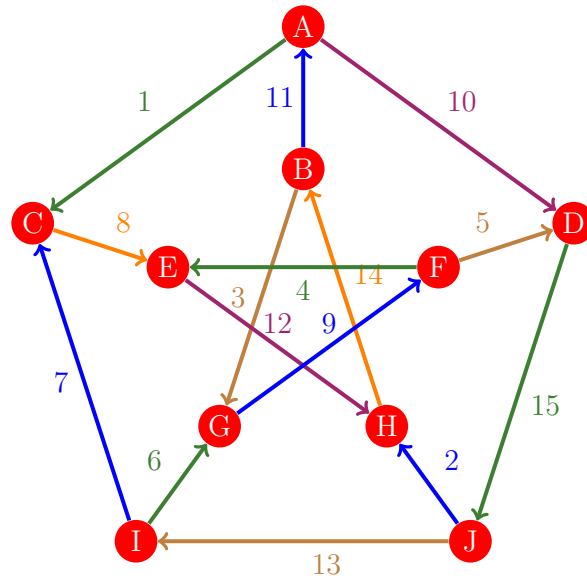


Figura 837: Flujo 829 de la gráfica de Petersen

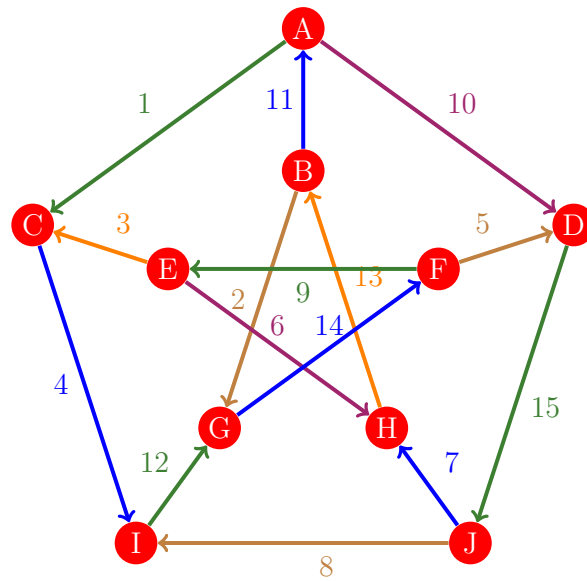


Figura 838: Flujo 830 de la gráfica de Petersen

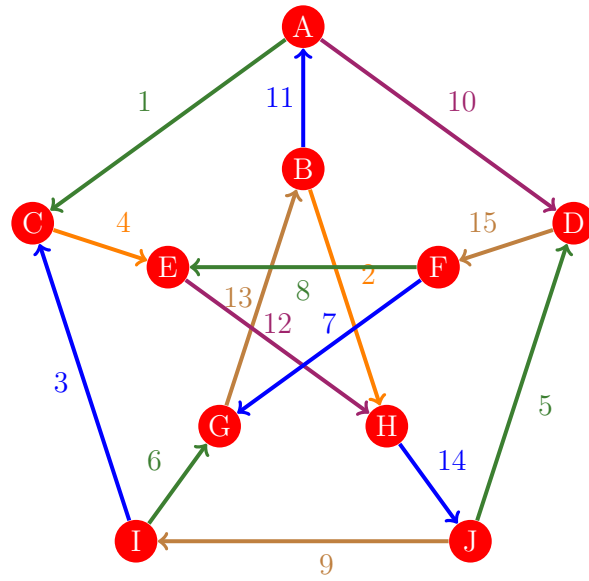


Figura 839: Flujo 831 de la gráfica de Petersen

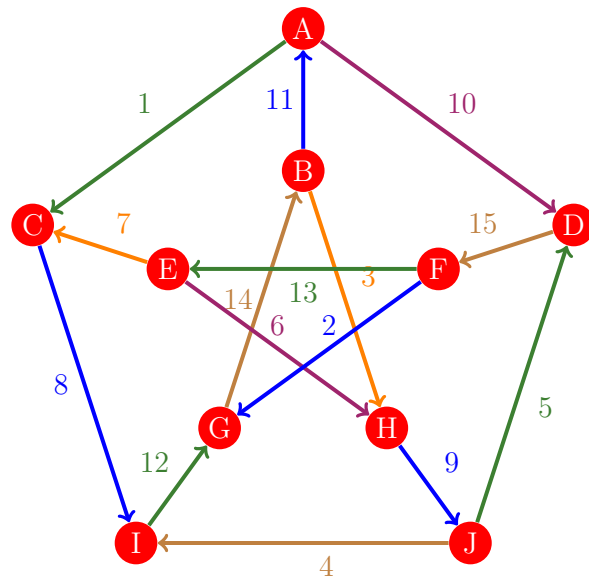


Figura 840: Flujo 832 de la gráfica de Petersen

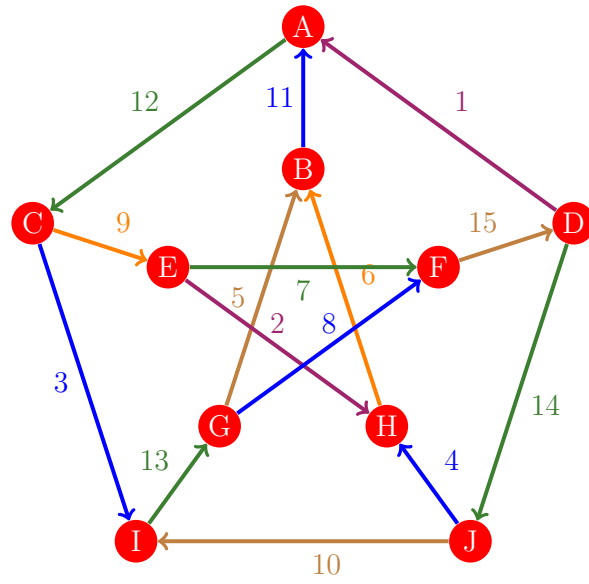


Figura 841: Flujo 833 de la gráfica de Petersen

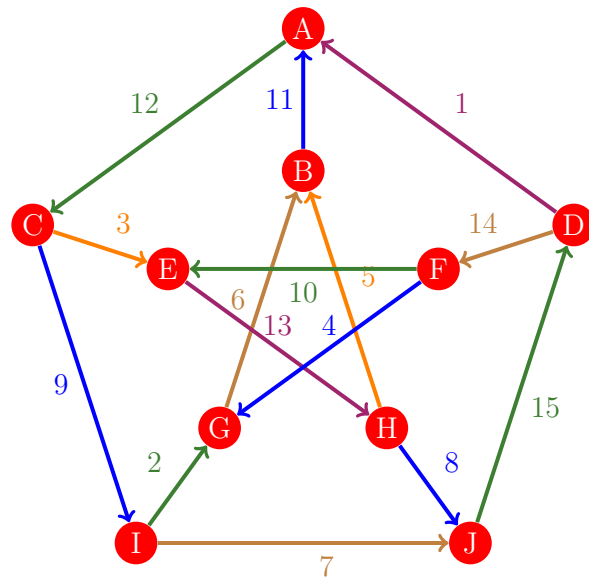


Figura 842: Flujo 834 de la gráfica de Petersen

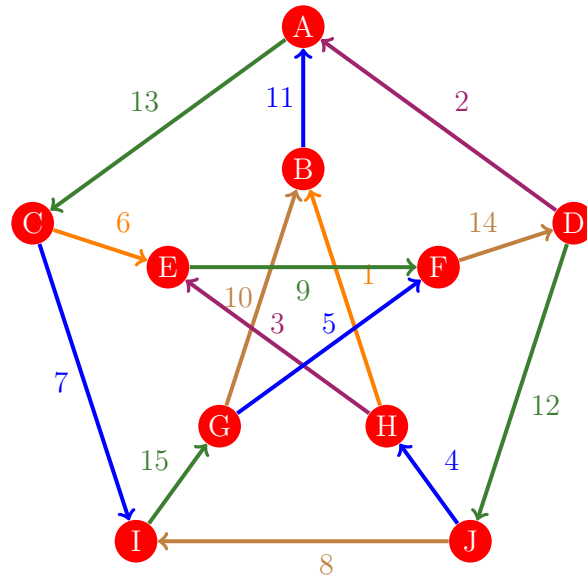


Figura 843: Flujo 835 de la gráfica de Petersen

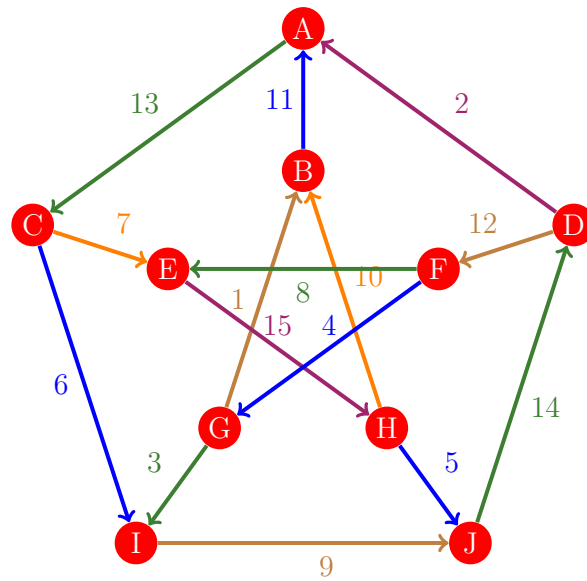


Figura 844: Flujo 836 de la gráfica de Petersen

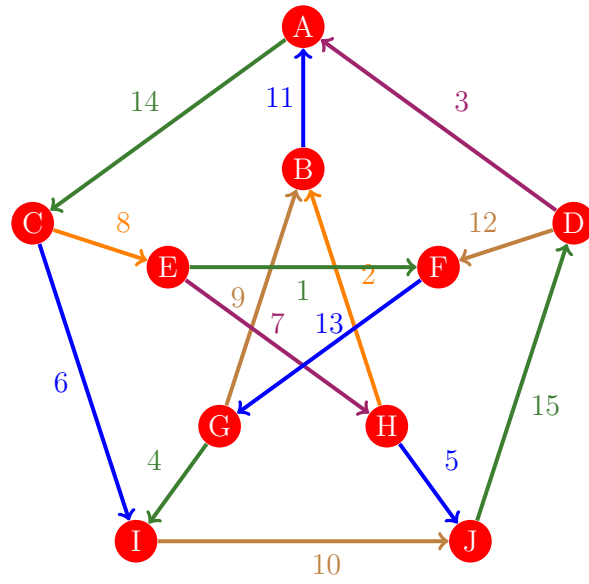


Figura 845: Flujo 837 de la gráfica de Petersen

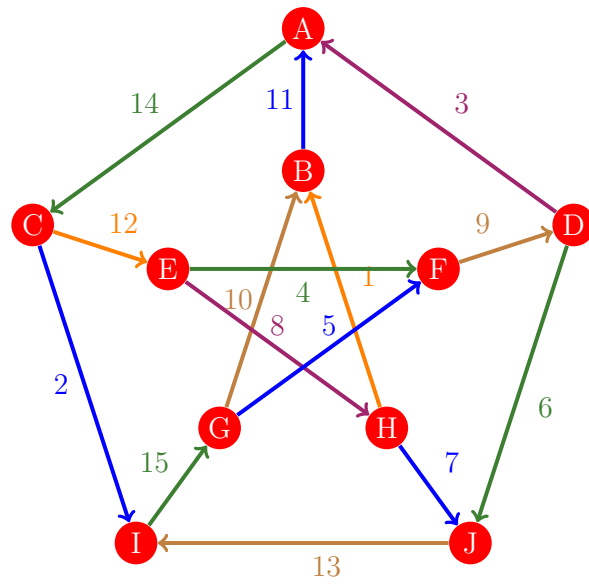


Figura 846: Flujo 838 de la gráfica de Petersen

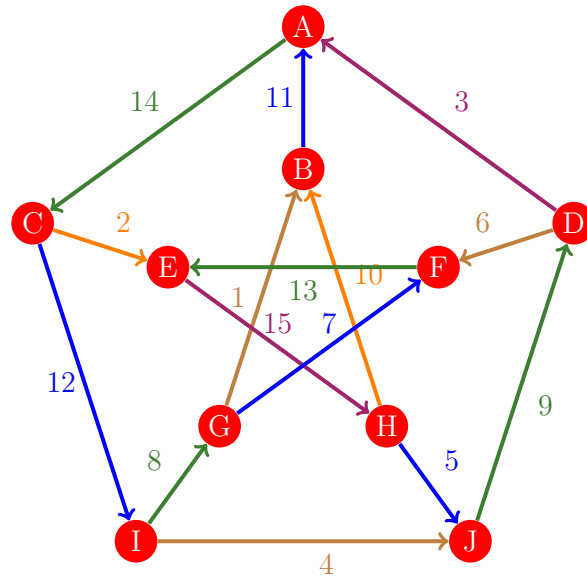


Figura 847: Flujo 839 de la gráfica de Petersen

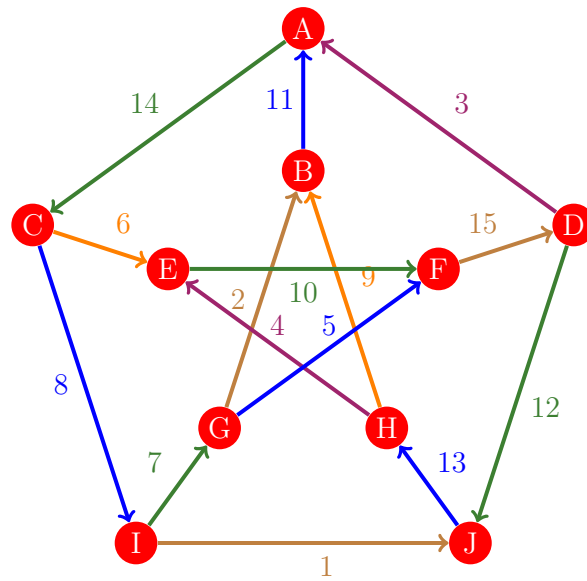


Figura 848: Flujo 840 de la gráfica de Petersen

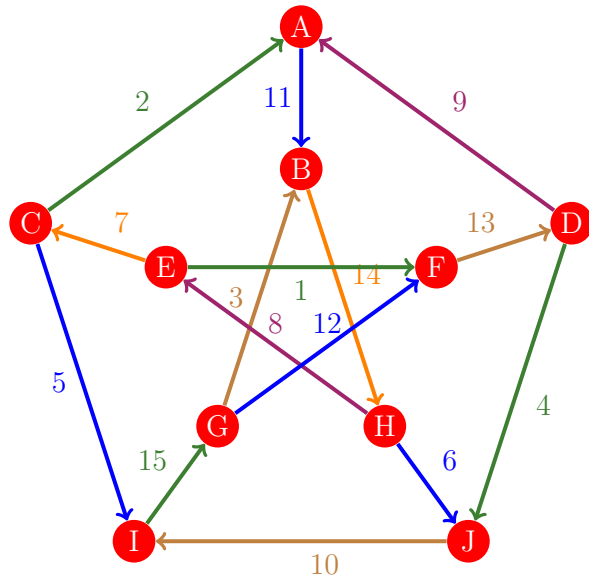


Figura 849: Flujo 841 de la gráfica de Petersen

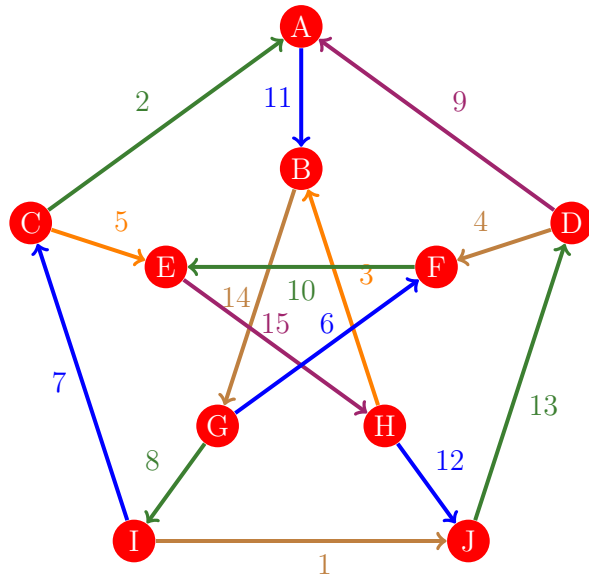


Figura 850: Flujo 842 de la gráfica de Petersen

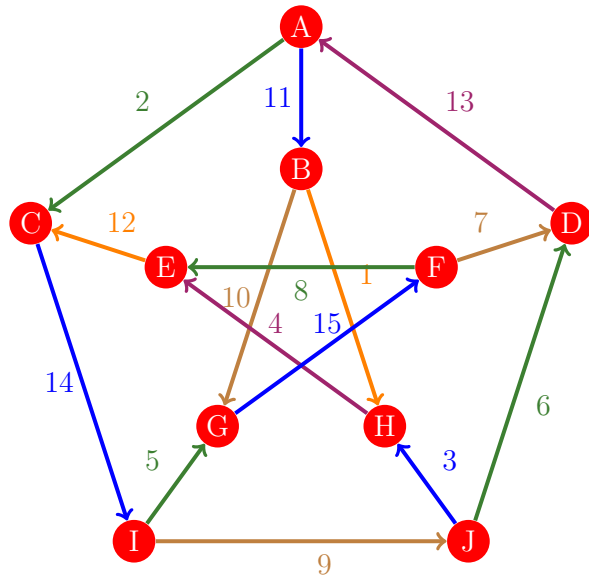


Figura 851: Flujo 843 de la gráfica de Petersen

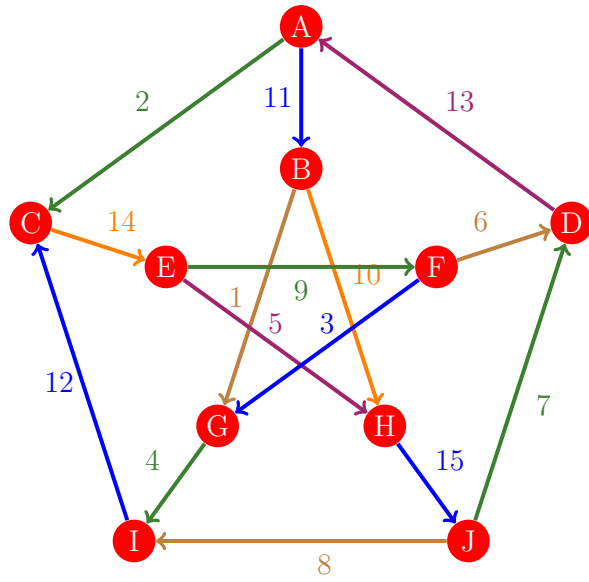


Figura 852: Flujo 844 de la gráfica de Petersen

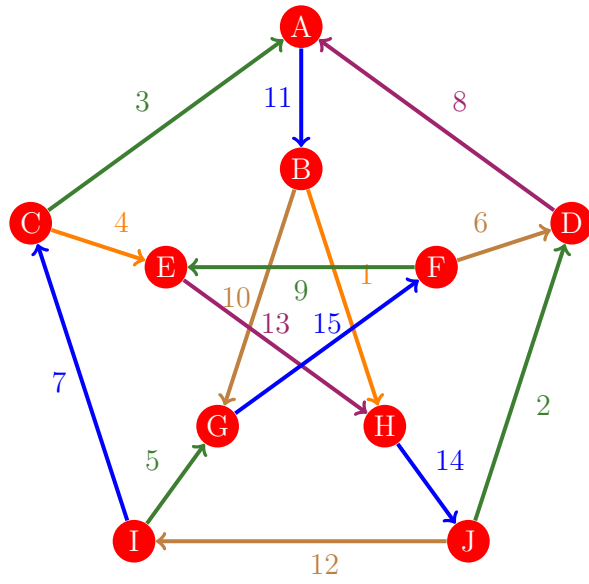


Figura 853: Flujo 845 de la gráfica de Petersen

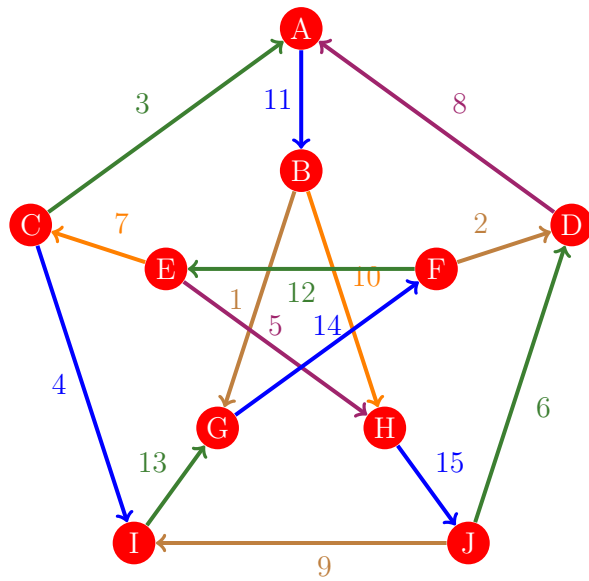


Figura 854: Flujo 846 de la gráfica de Petersen

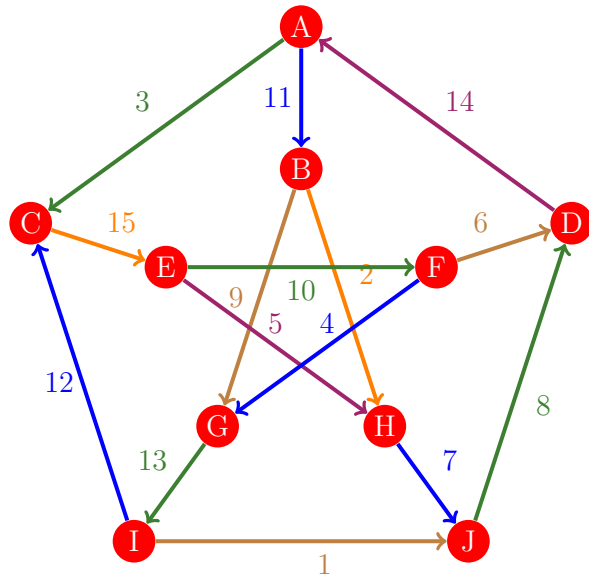


Figura 855: Flujo 847 de la gráfica de Petersen

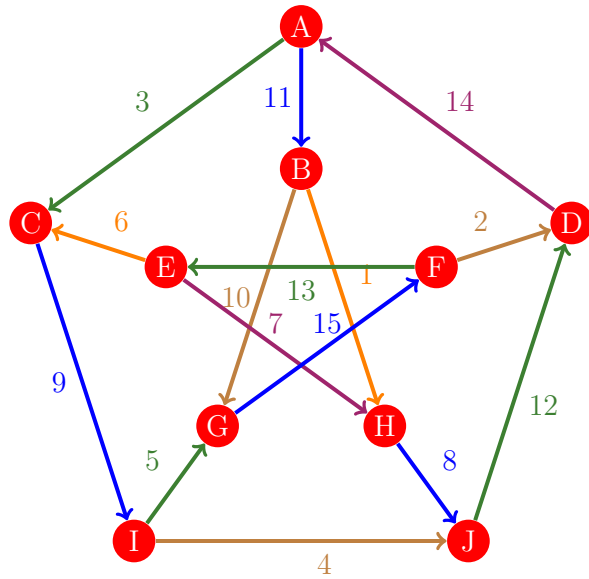


Figura 856: Flujo 848 de la gráfica de Petersen

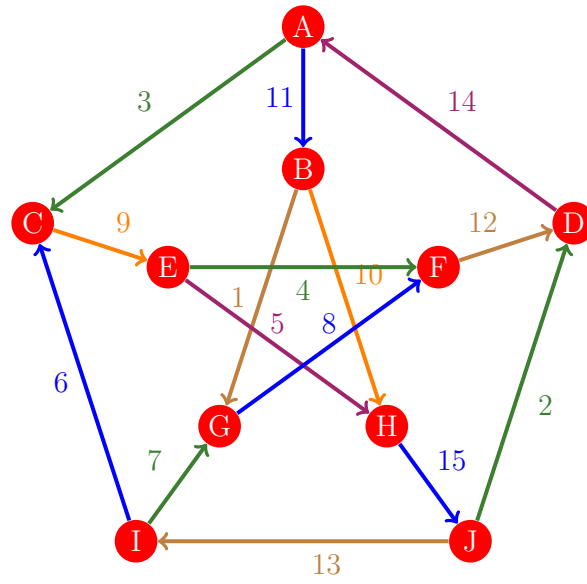


Figura 857: Flujo 849 de la gráfica de Petersen

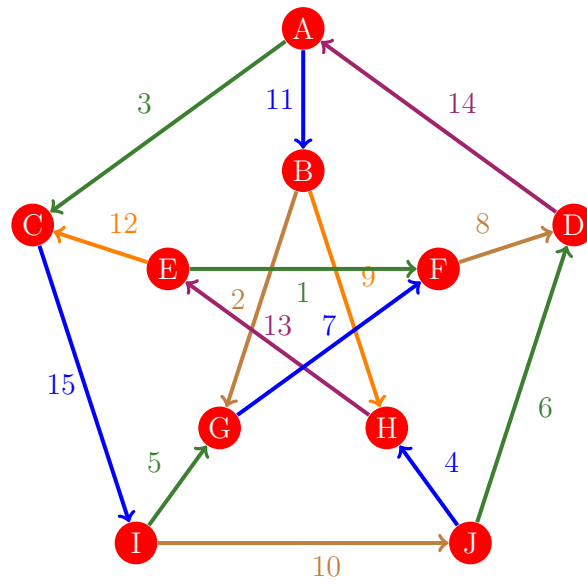


Figura 858: Flujo 850 de la gráfica de Petersen

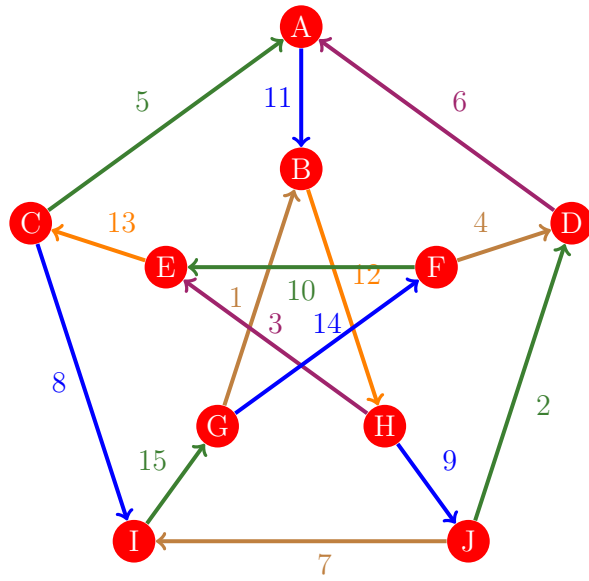


Figura 859: Flujo 851 de la gráfica de Petersen

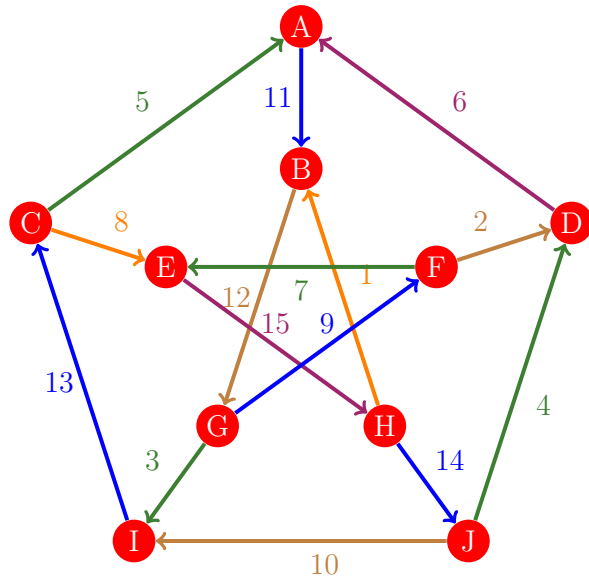


Figura 860: Flujo 852 de la gráfica de Petersen

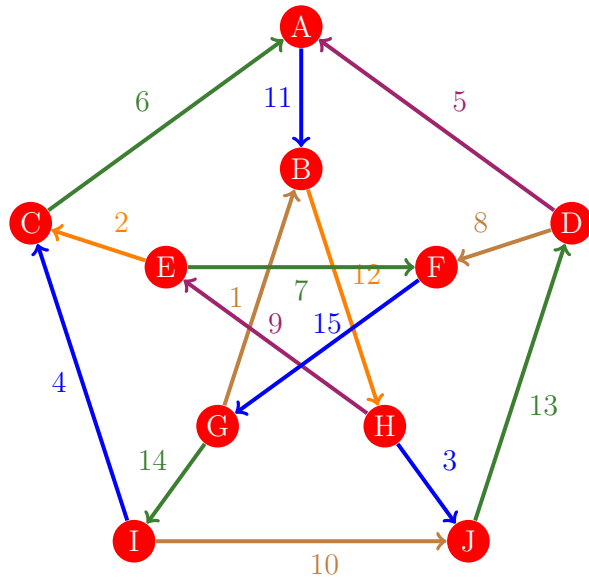


Figura 861: Flujo 853 de la gráfica de Petersen

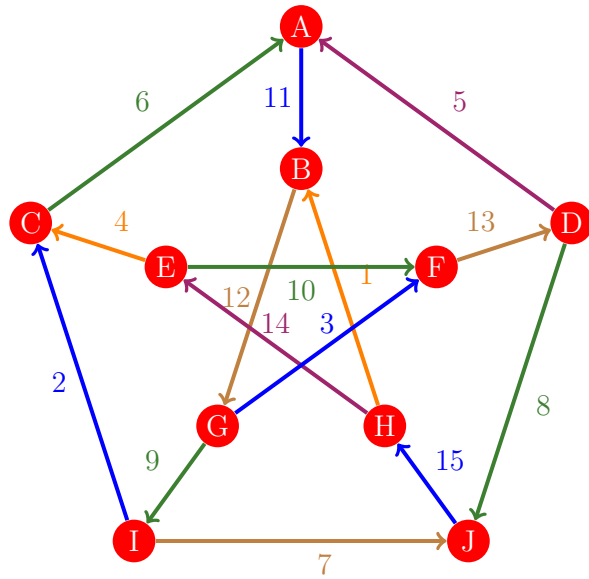


Figura 862: Flujo 854 de la gráfica de Petersen

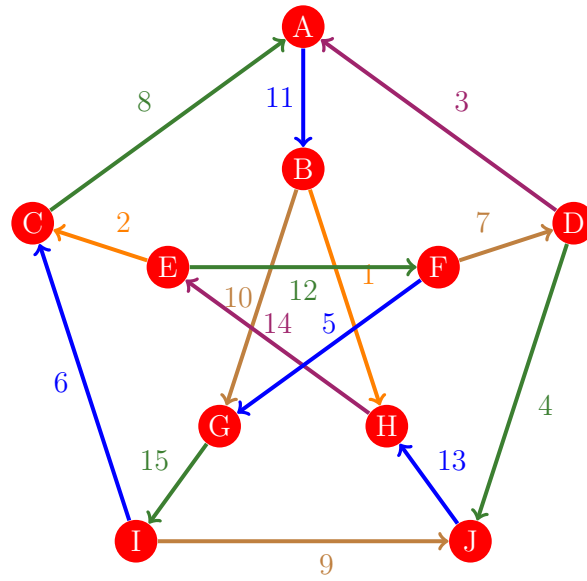


Figura 863: Flujo 855 de la gráfica de Petersen

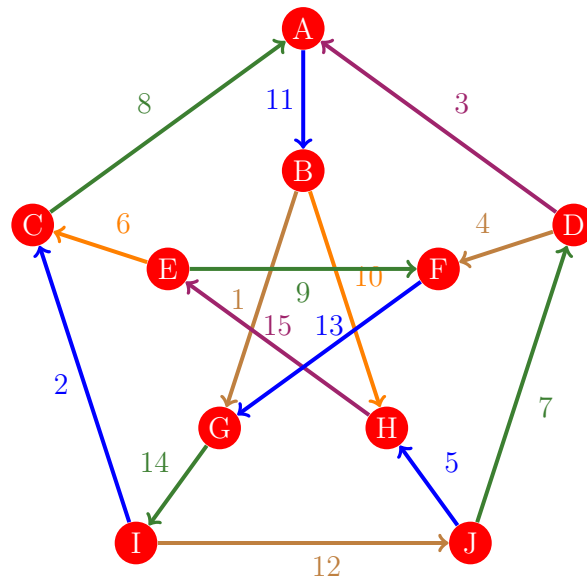


Figura 864: Flujo 856 de la gráfica de Petersen

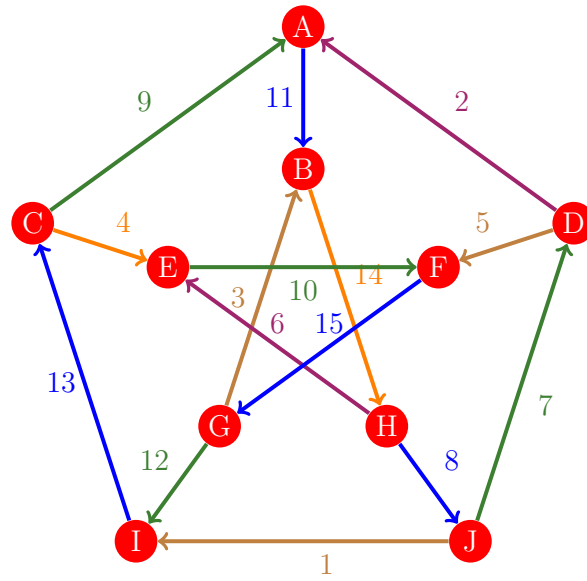


Figura 865: Flujo 857 de la gráfica de Petersen

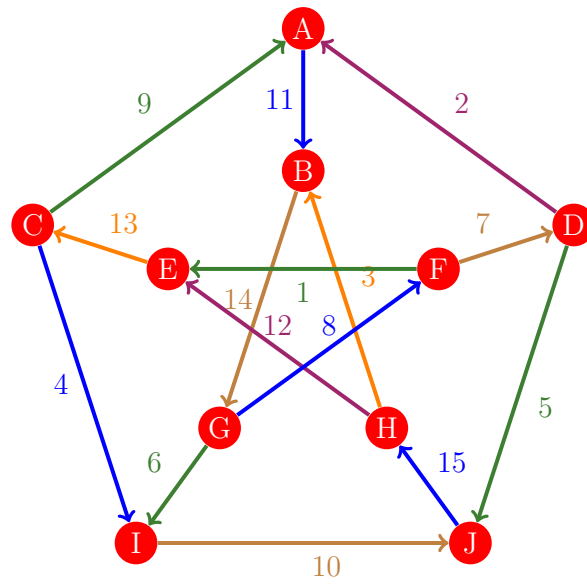


Figura 866: Flujo 858 de la gráfica de Petersen

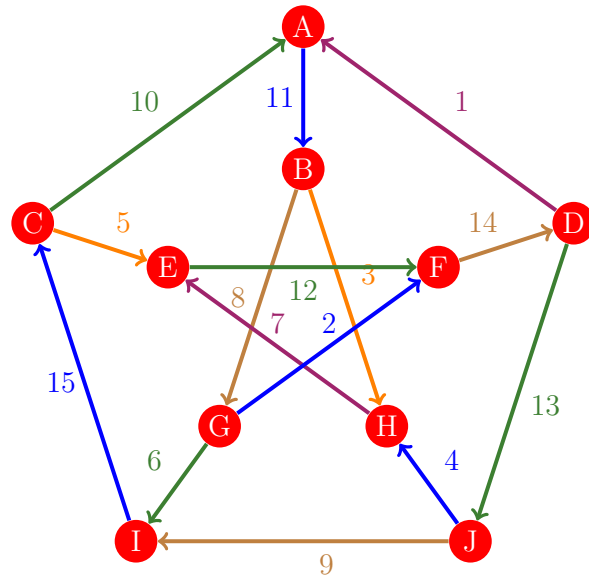


Figura 867: Flujo 859 de la gráfica de Petersen

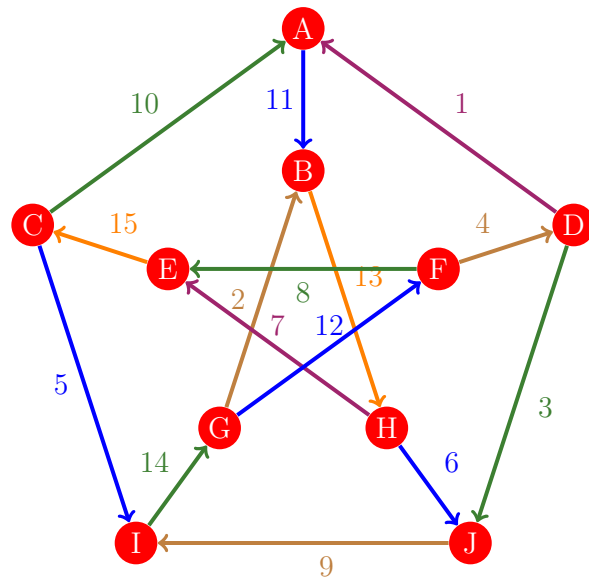


Figura 868: Flujo 860 de la gráfica de Petersen

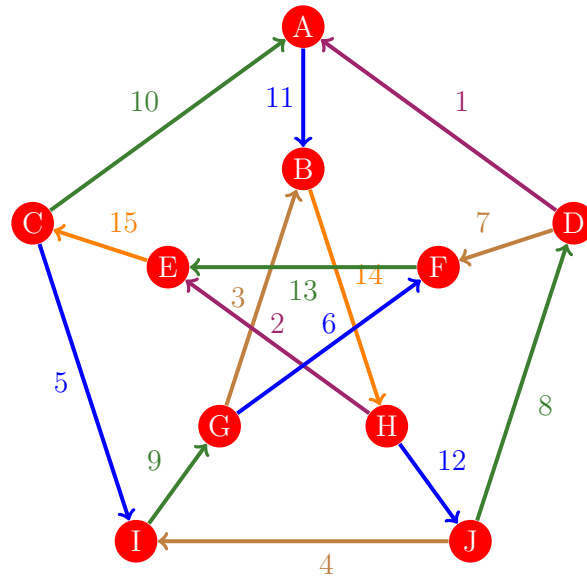


Figura 869: Flujo 861 de la gráfica de Petersen

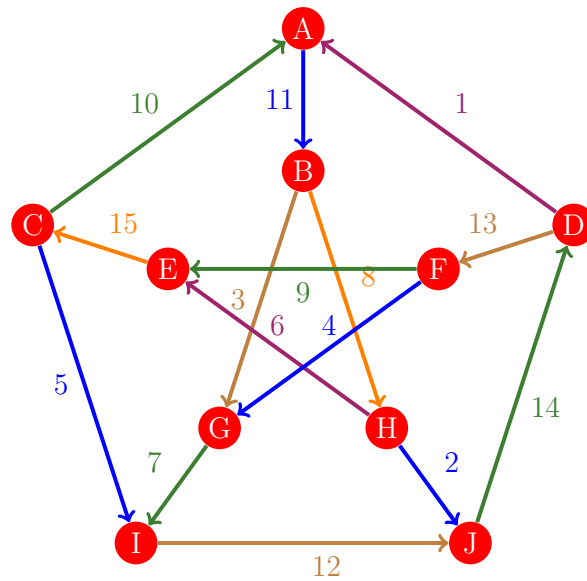


Figura 870: Flujo 862 de la gráfica de Petersen

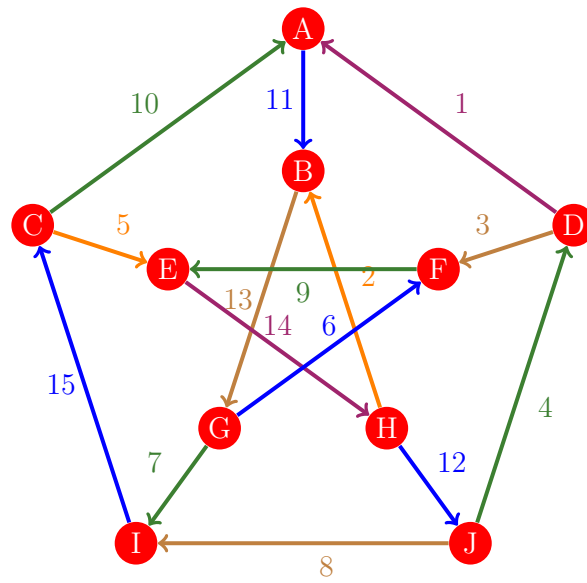


Figura 871: Flujo 863 de la gráfica de Petersen

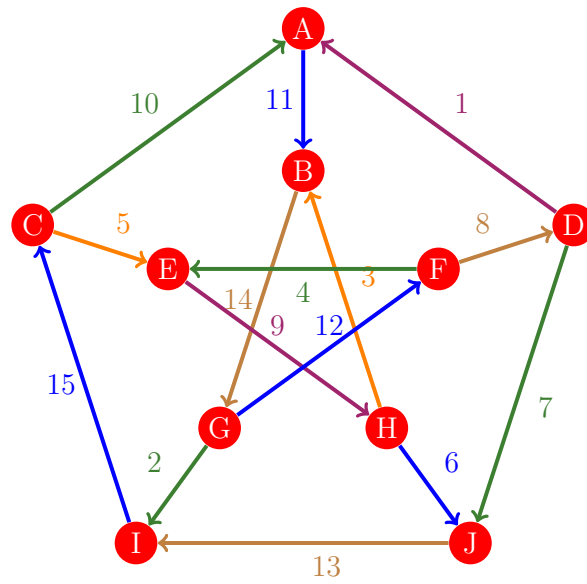


Figura 872: Flujo 864 de la gráfica de Petersen

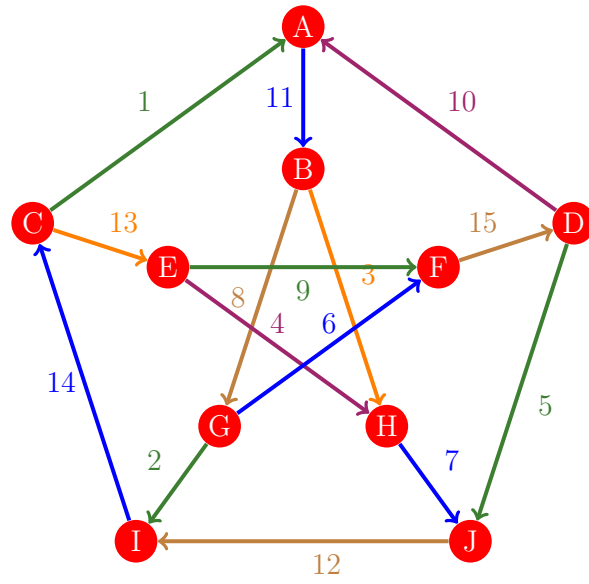


Figura 873: Flujo 865 de la gráfica de Petersen

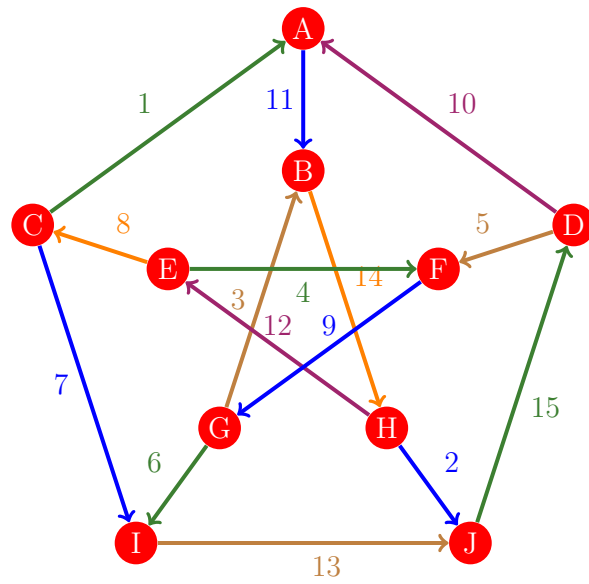


Figura 874: Flujo 866 de la gráfica de Petersen

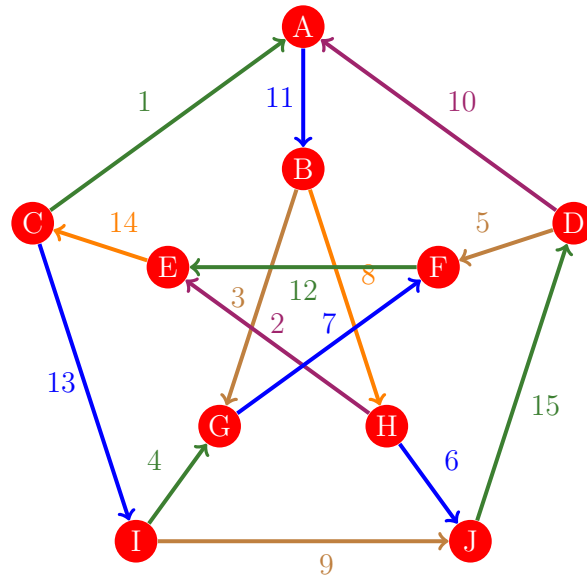


Figura 875: Flujo 867 de la gráfica de Petersen

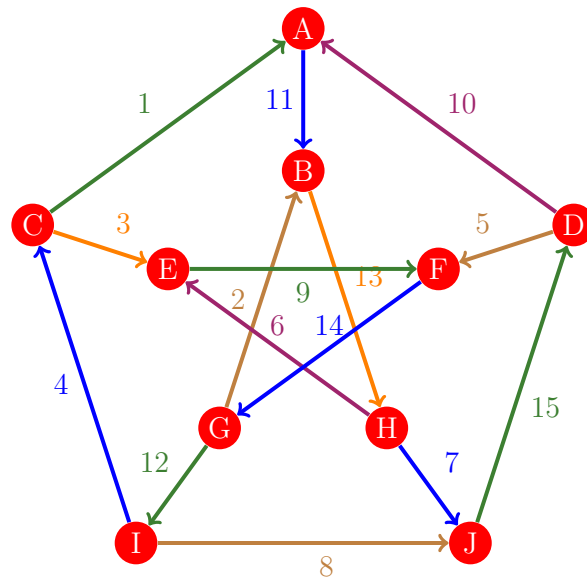


Figura 876: Flujo 868 de la gráfica de Petersen

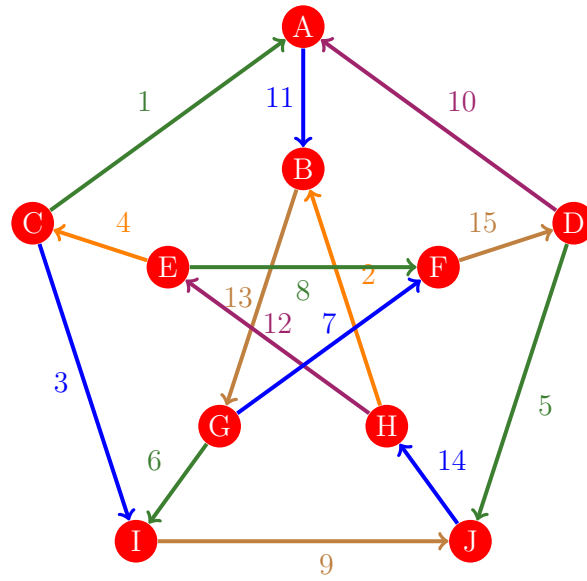


Figura 877: Flujo 869 de la gráfica de Petersen

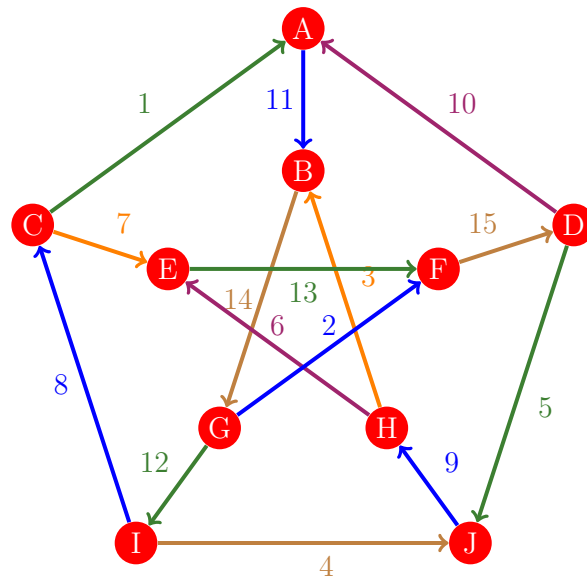


Figura 878: Flujo 870 de la gráfica de Petersen

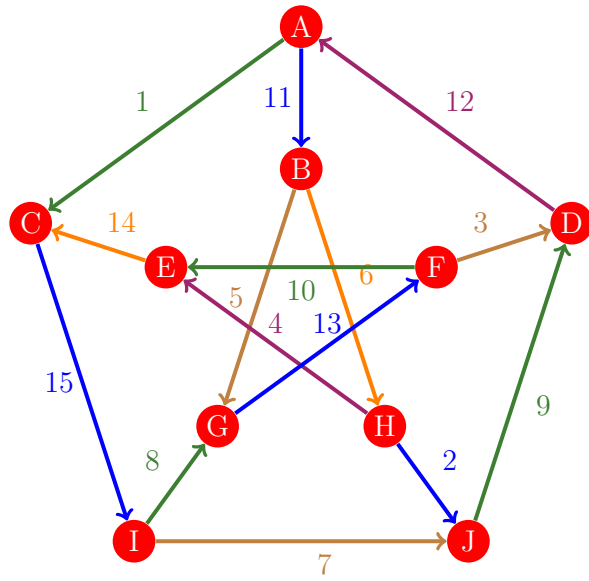


Figura 879: Flujo 871 de la gráfica de Petersen

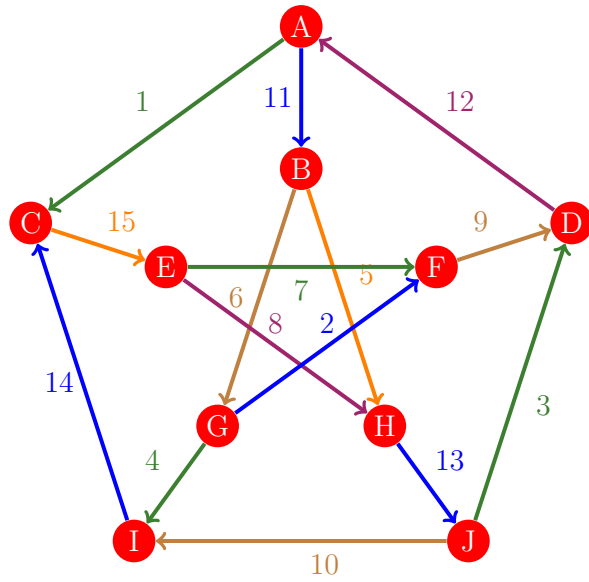


Figura 880: Flujo 872 de la gráfica de Petersen

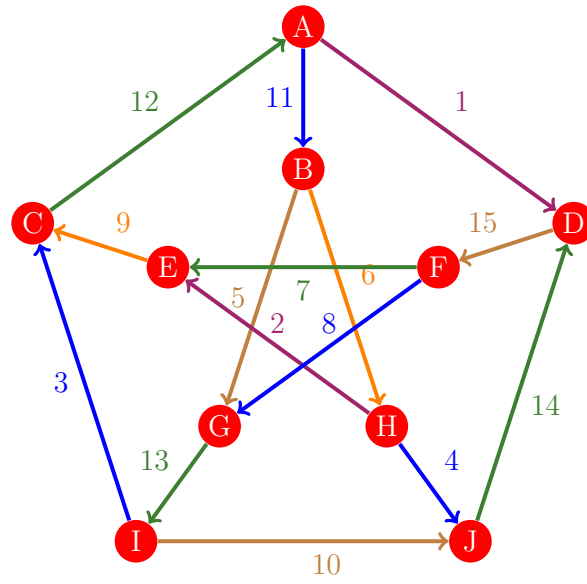


Figura 881: Flujo 873 de la gráfica de Petersen

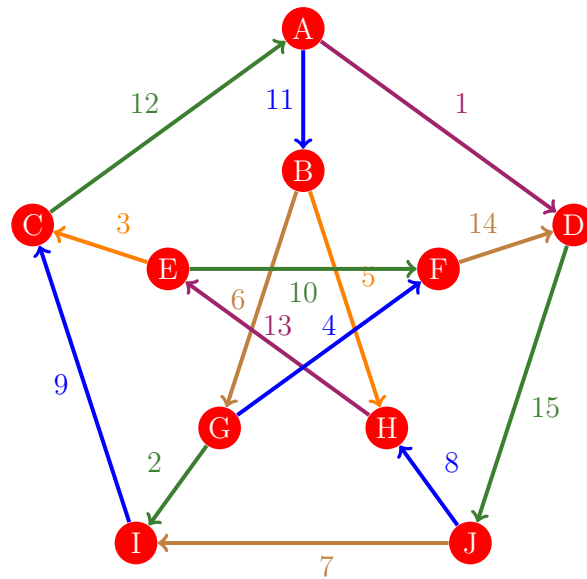


Figura 882: Flujo 874 de la gráfica de Petersen

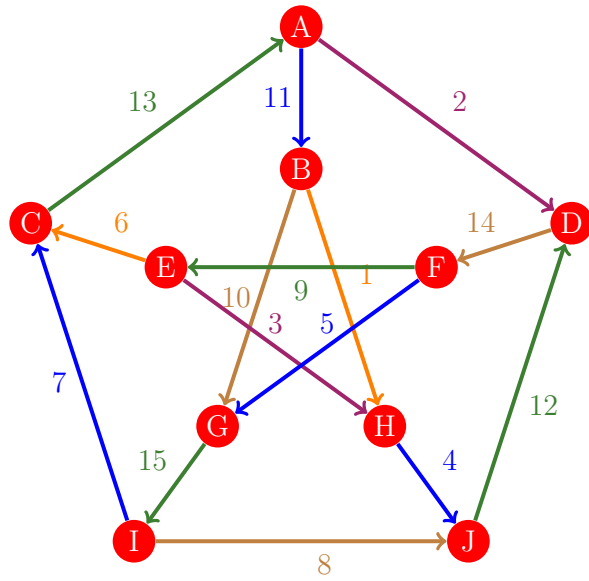


Figura 883: Flujo 875 de la gráfica de Petersen

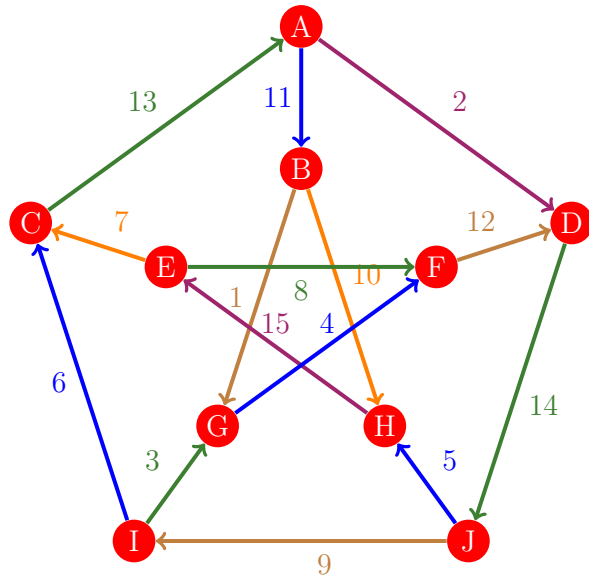


Figura 884: Flujo 876 de la gráfica de Petersen

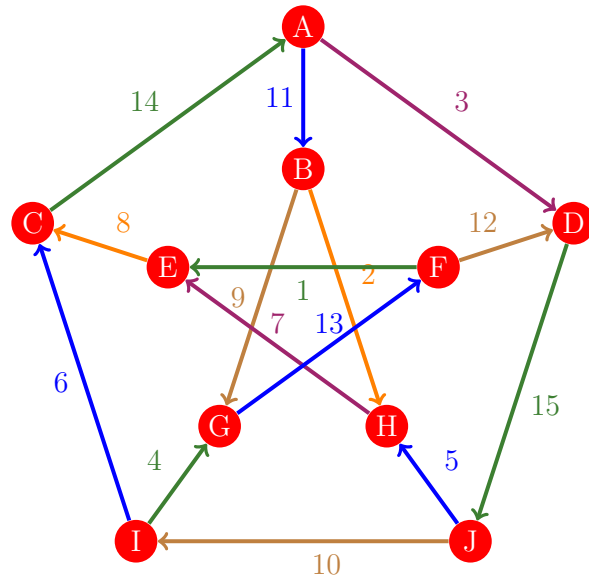


Figura 885: Flujo 877 de la gráfica de Petersen

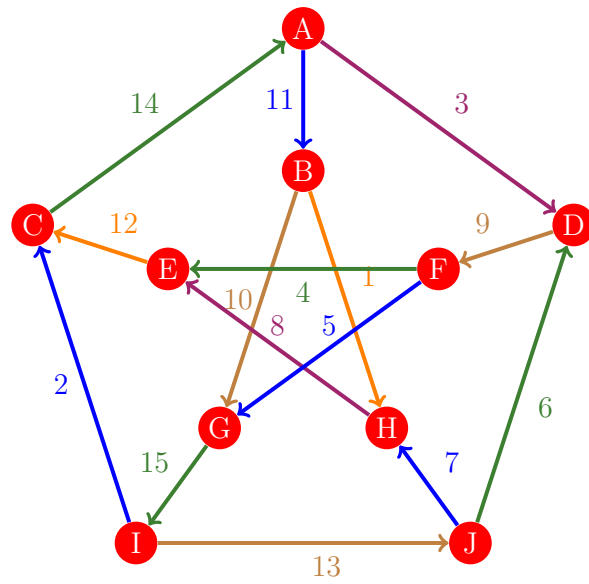


Figura 886: Flujo 878 de la gráfica de Petersen

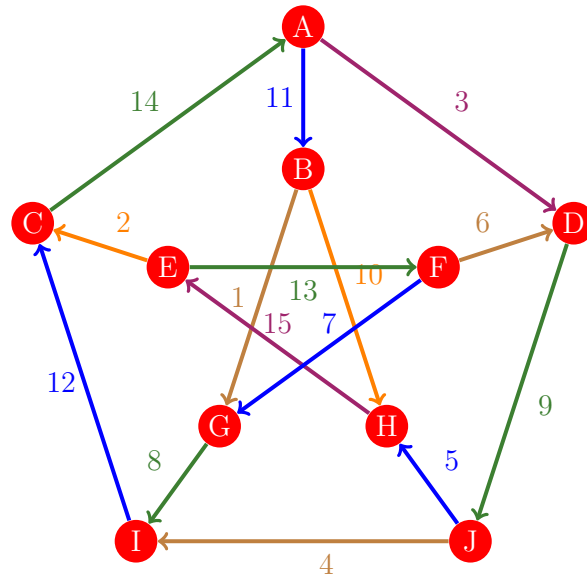


Figura 887: Flujo 879 de la gráfica de Petersen

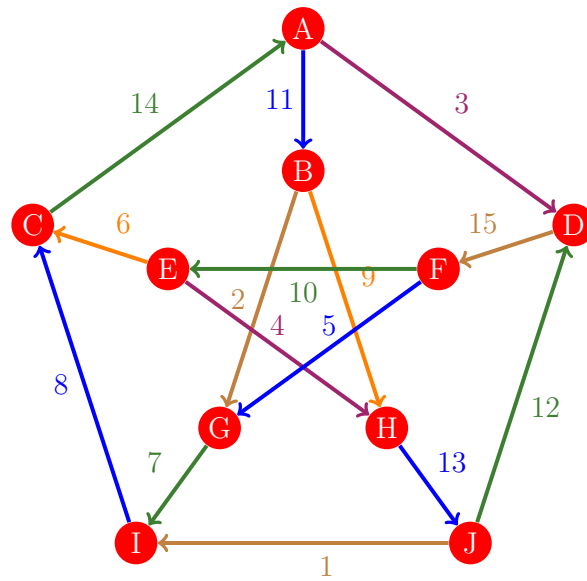


Figura 888: Flujo 880 de la gráfica de Petersen

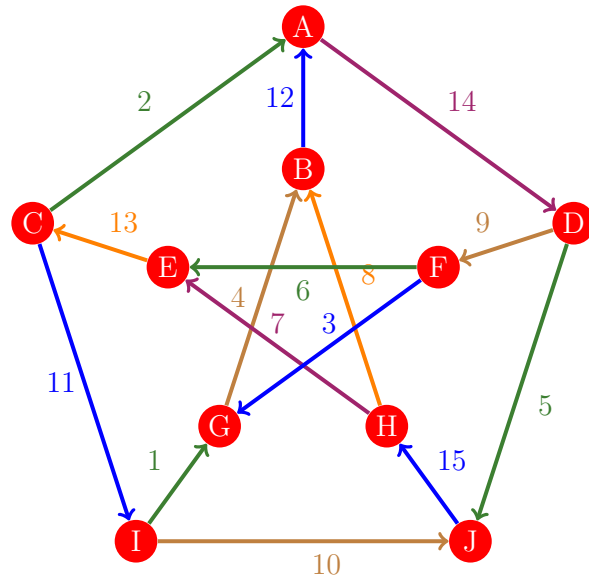


Figura 889: Flujo 881 de la gráfica de Petersen

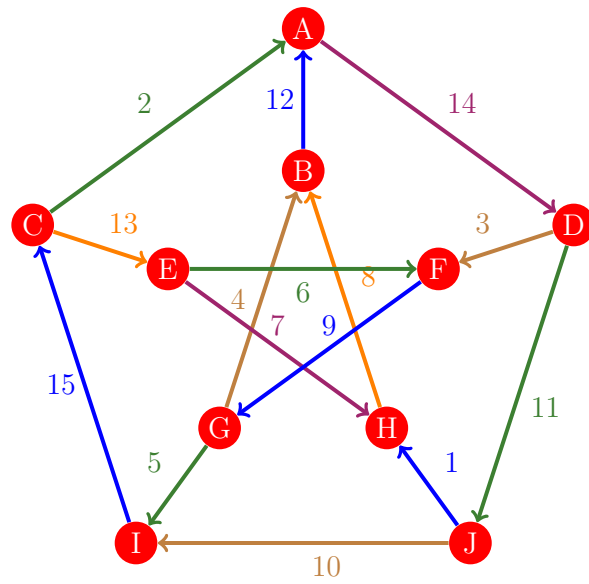


Figura 890: Flujo 882 de la gráfica de Petersen

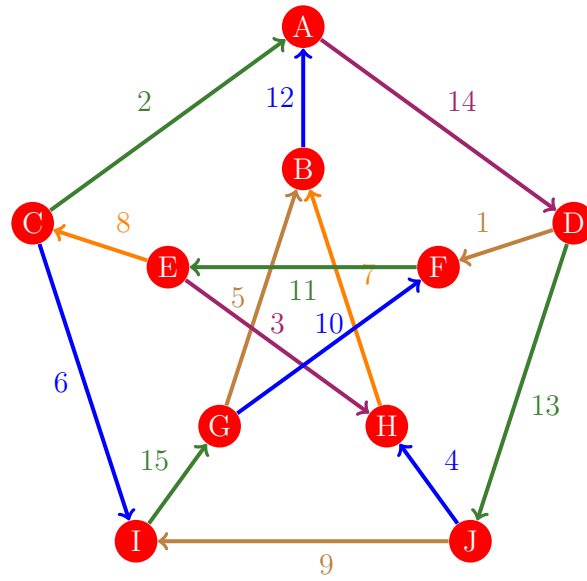


Figura 891: Flujo 883 de la gráfica de Petersen

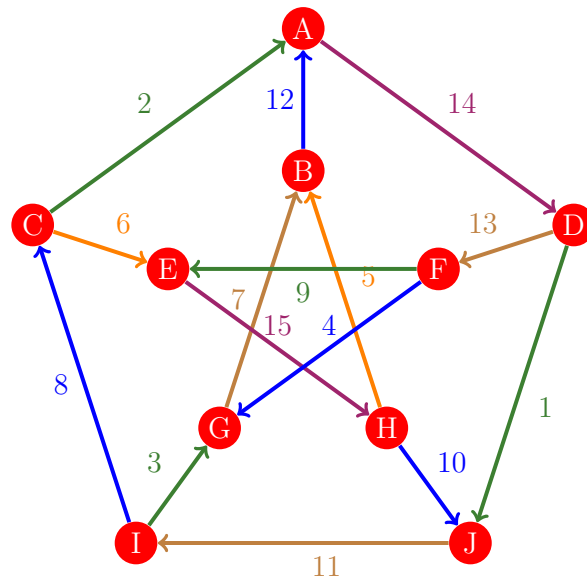


Figura 892: Flujo 884 de la gráfica de Petersen

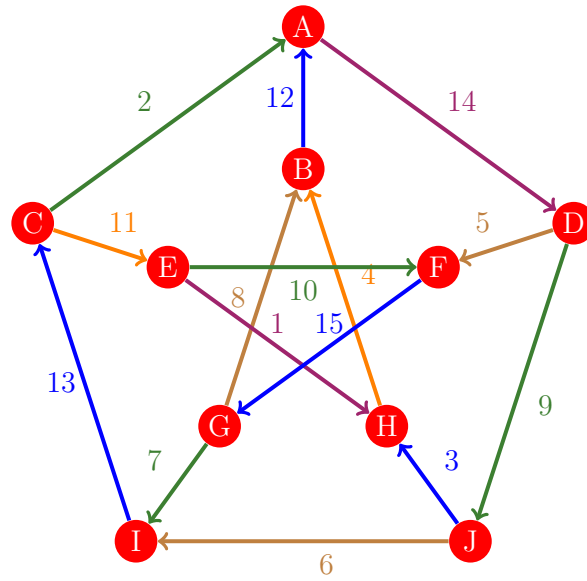


Figura 893: Flujo 885 de la gráfica de Petersen

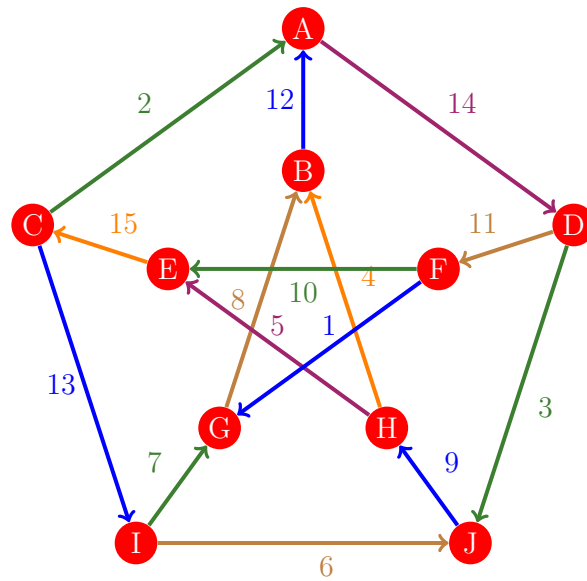


Figura 894: Flujo 886 de la gráfica de Petersen

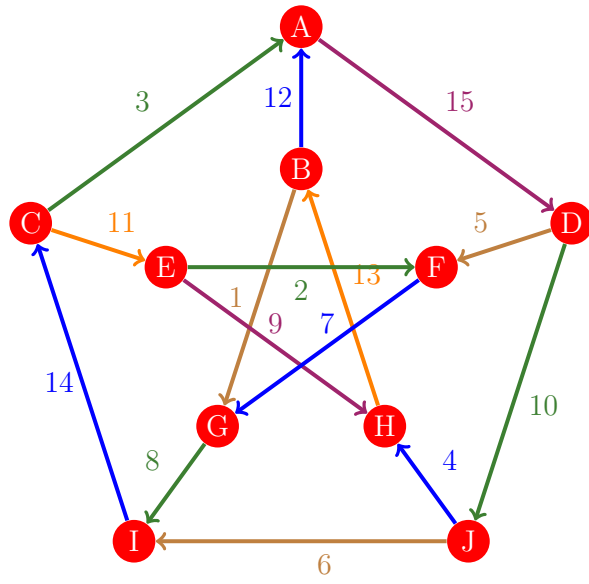


Figura 895: Flujo 887 de la gráfica de Petersen

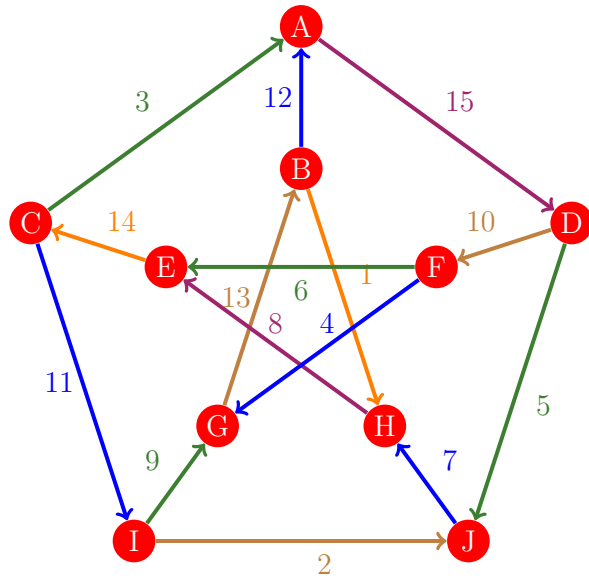


Figura 896: Flujo 888 de la gráfica de Petersen

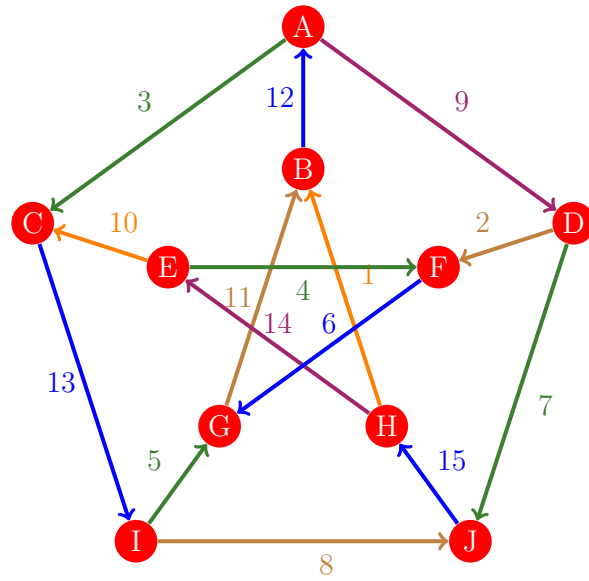


Figura 897: Flujo 889 de la gráfica de Petersen

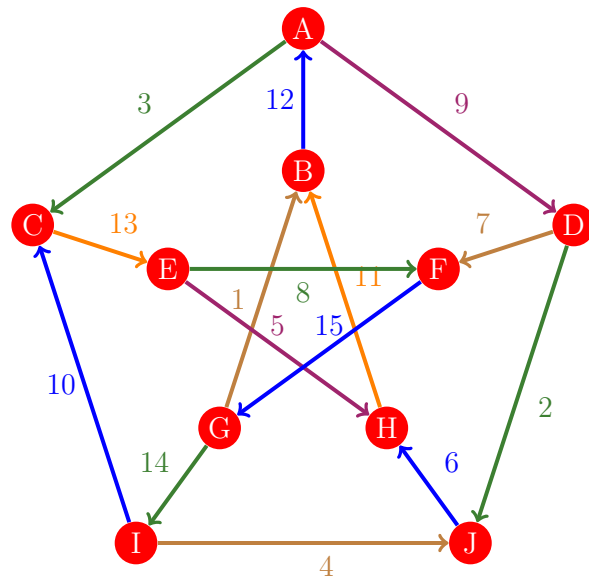


Figura 898: Flujo 890 de la gráfica de Petersen

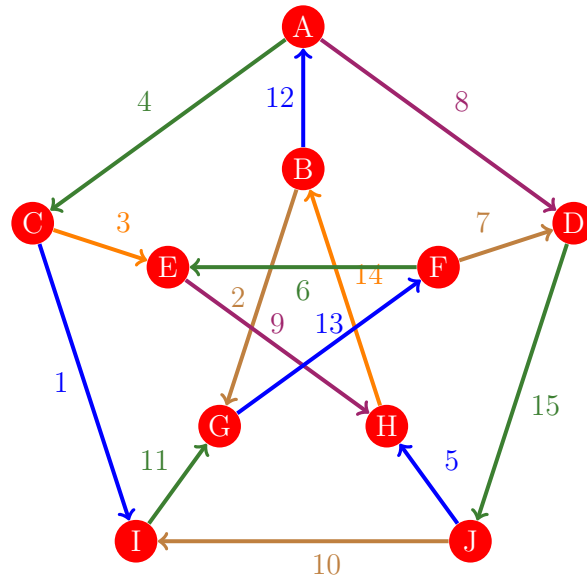


Figura 899: Flujo 891 de la gráfica de Petersen

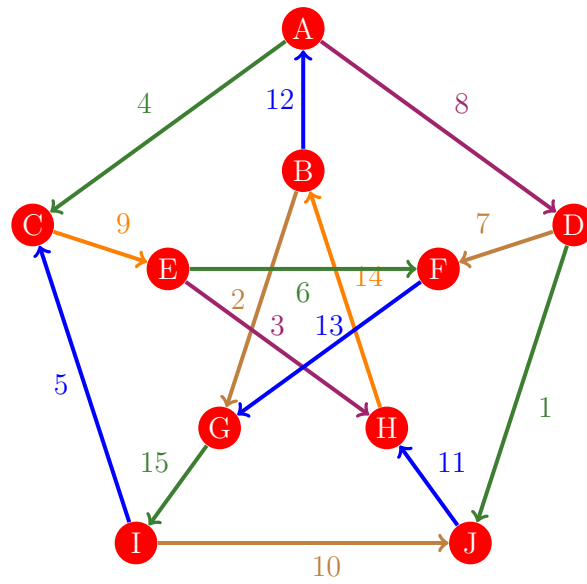


Figura 900: Flujo 892 de la gráfica de Petersen

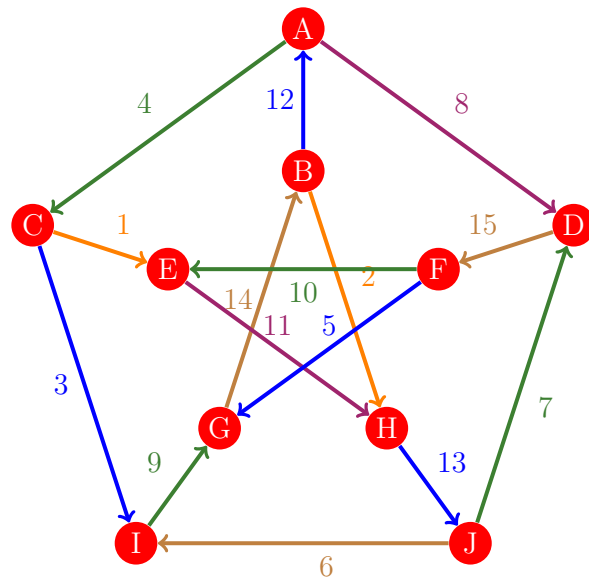


Figura 901: Flujo 893 de la gráfica de Petersen

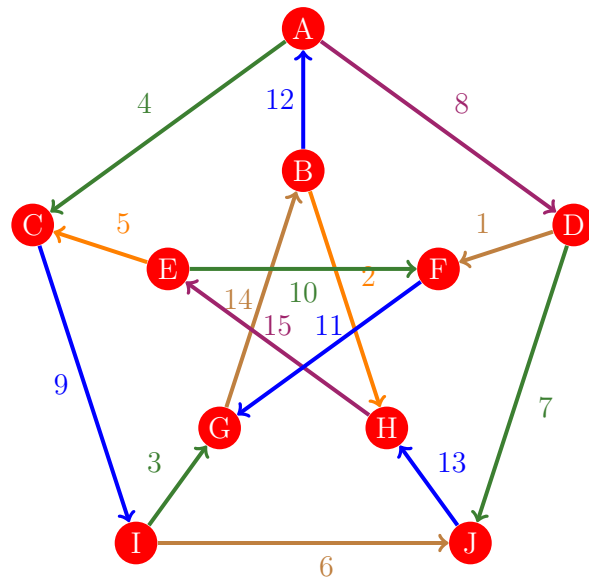


Figura 902: Flujo 894 de la gráfica de Petersen

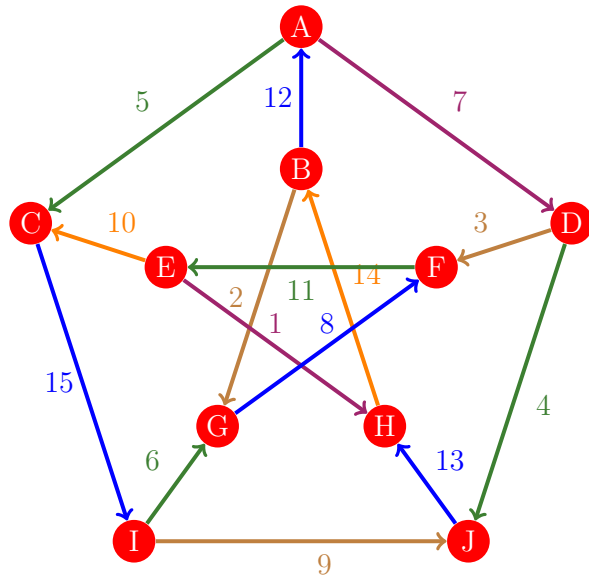


Figura 903: Flujo 895 de la gráfica de Petersen

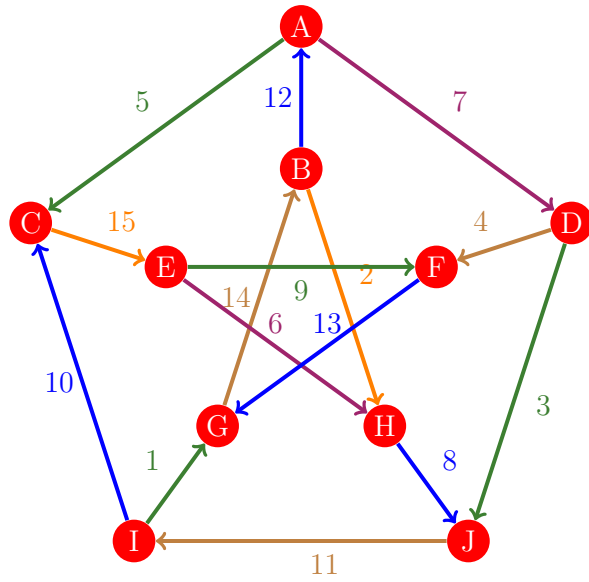


Figura 904: Flujo 896 de la gráfica de Petersen

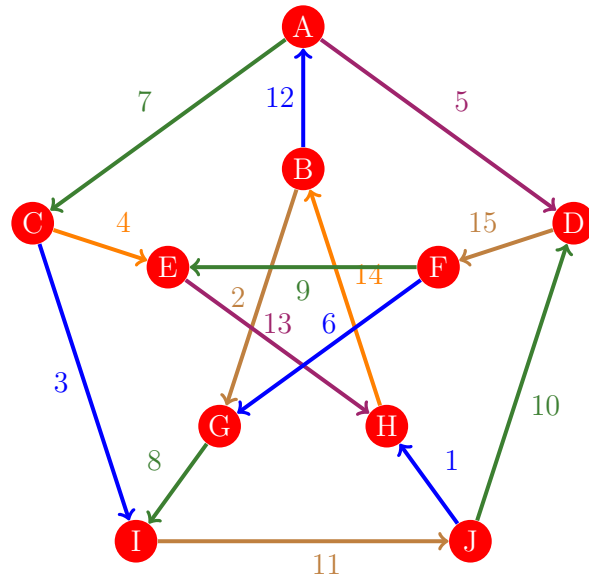


Figura 905: Flujo 897 de la gráfica de Petersen

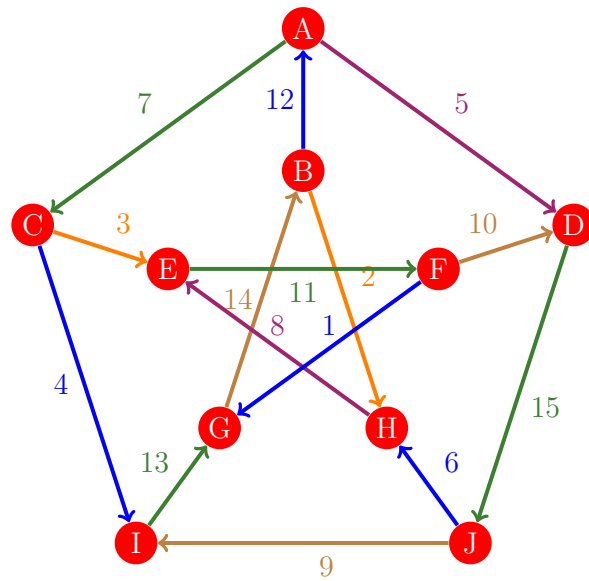


Figura 906: Flujo 898 de la gráfica de Petersen

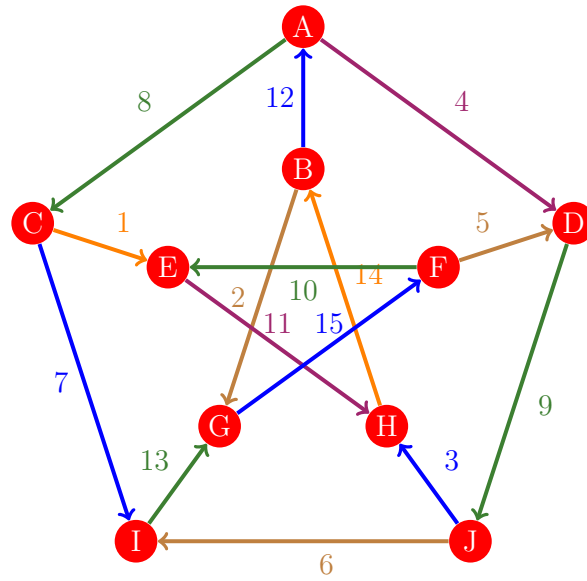


Figura 907: Flujo 899 de la gráfica de Petersen

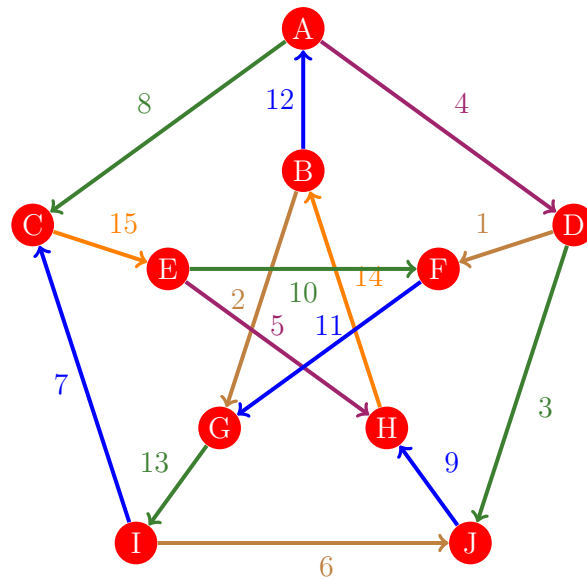


Figura 908: Flujo 900 de la gráfica de Petersen

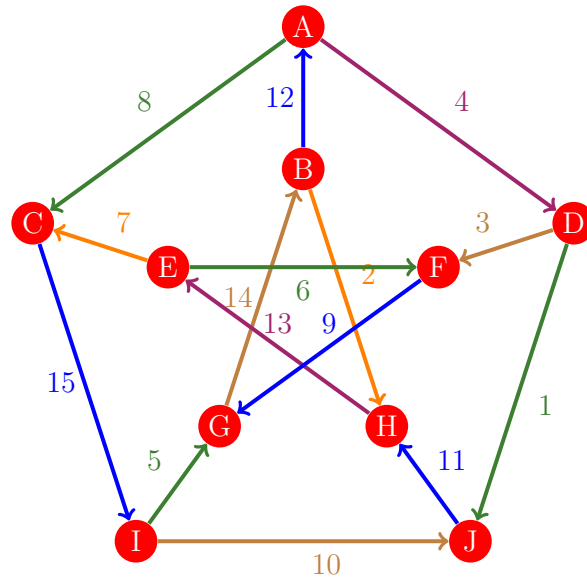


Figura 909: Flujo 901 de la gráfica de Petersen

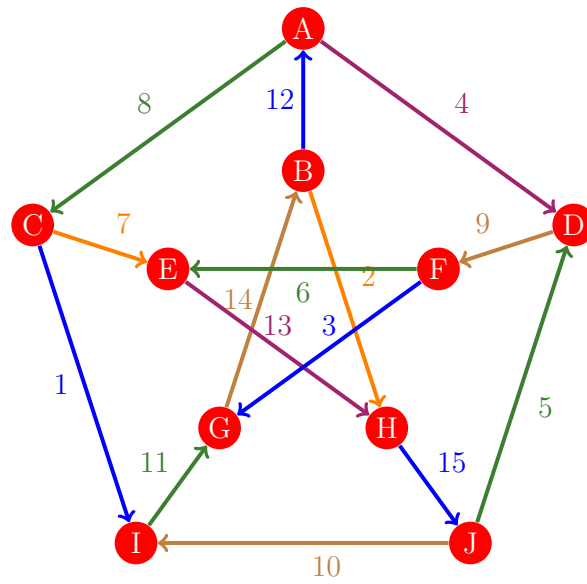


Figura 910: Flujo 902 de la gráfica de Petersen

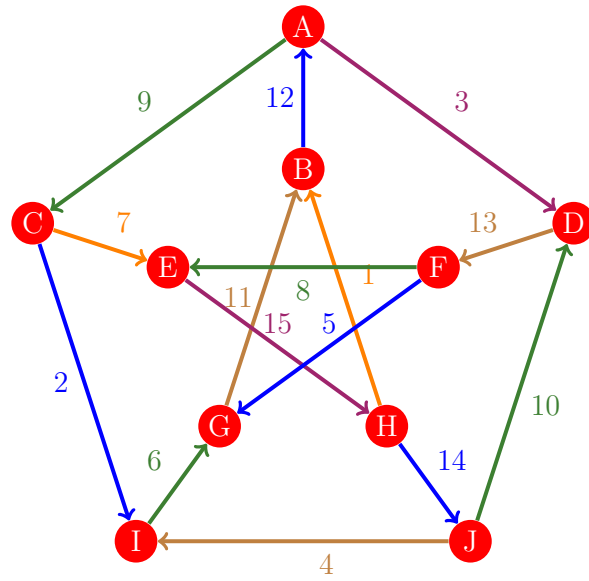


Figura 911: Flujo 903 de la gráfica de Petersen

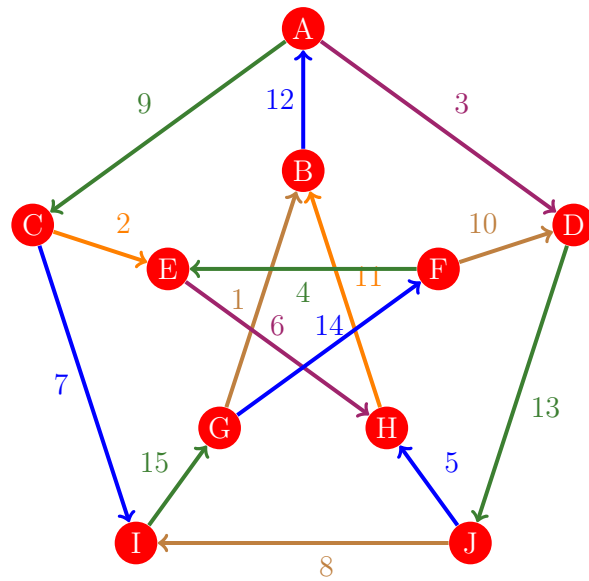


Figura 912: Flujo 904 de la gráfica de Petersen

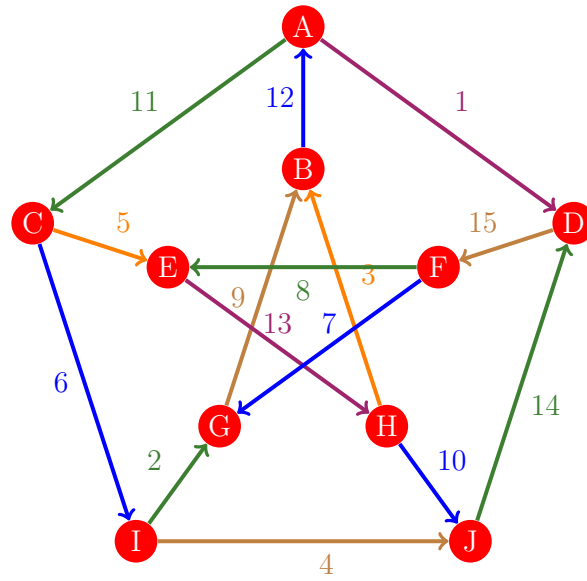


Figura 913: Flujo 905 de la gráfica de Petersen

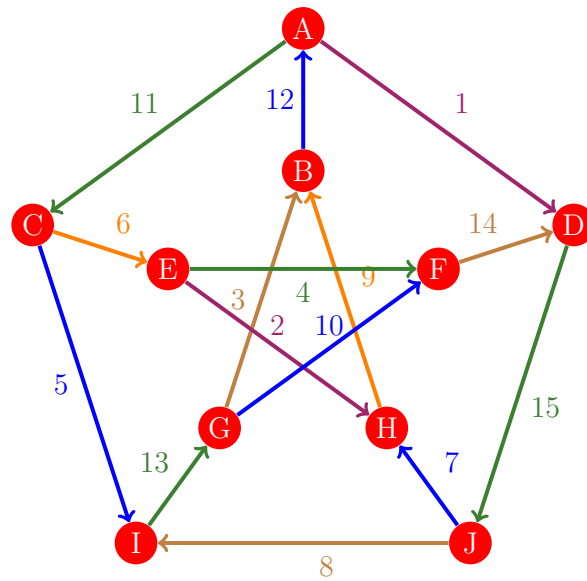


Figura 914: Flujo 906 de la gráfica de Petersen

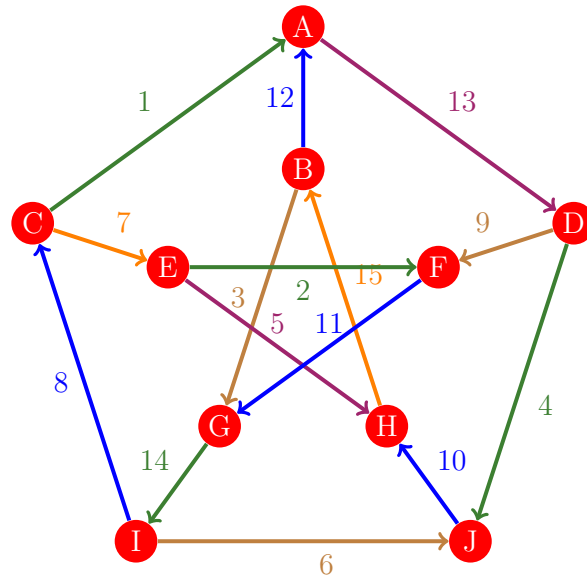


Figura 915: Flujo 907 de la gráfica de Petersen

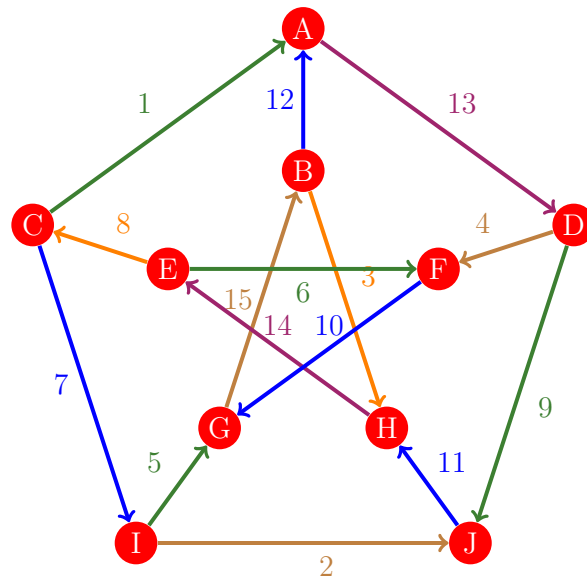


Figura 916: Flujo 908 de la gráfica de Petersen

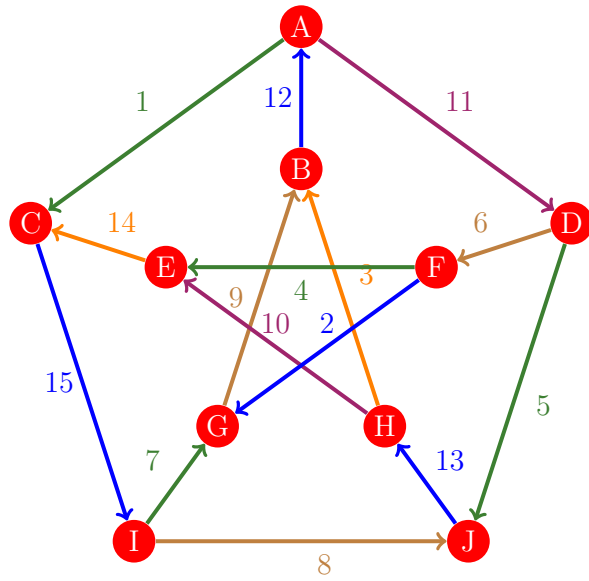


Figura 917: Flujo 909 de la gráfica de Petersen

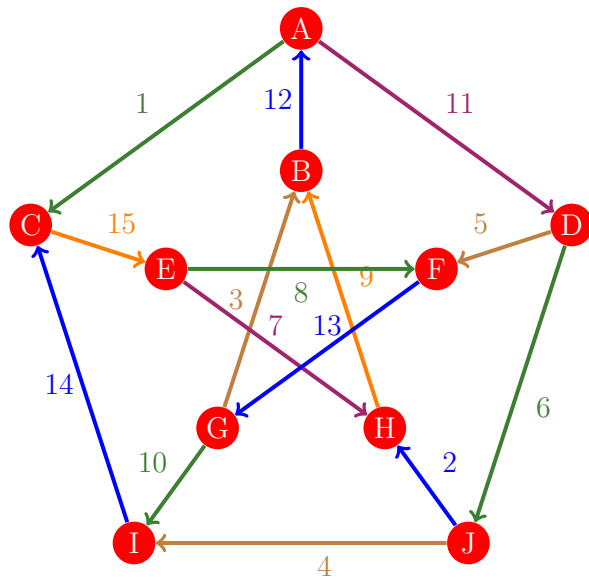


Figura 918: Flujo 910 de la gráfica de Petersen

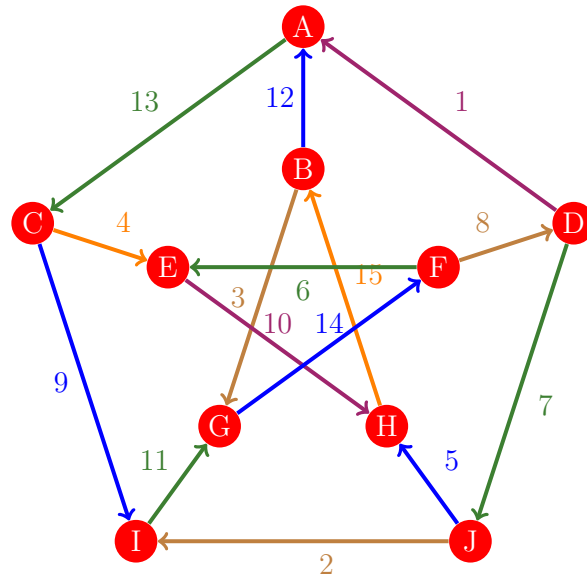


Figura 919: Flujo 911 de la gráfica de Petersen

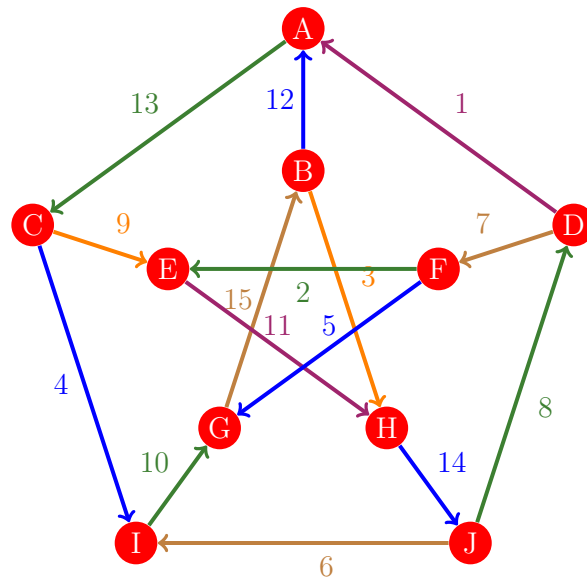


Figura 920: Flujo 912 de la gráfica de Petersen

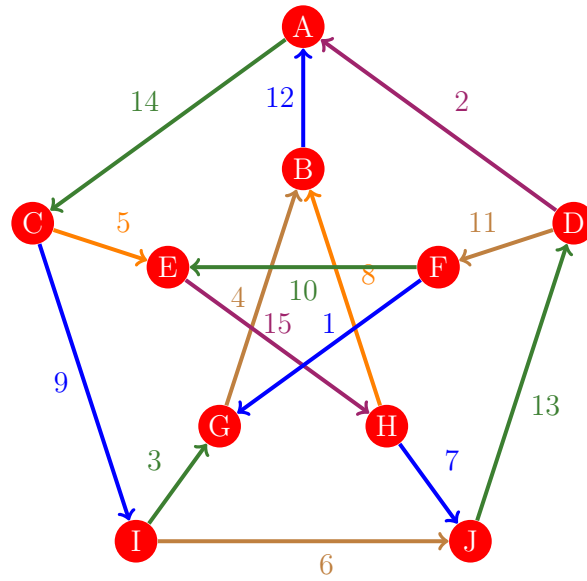


Figura 921: Flujo 913 de la gráfica de Petersen

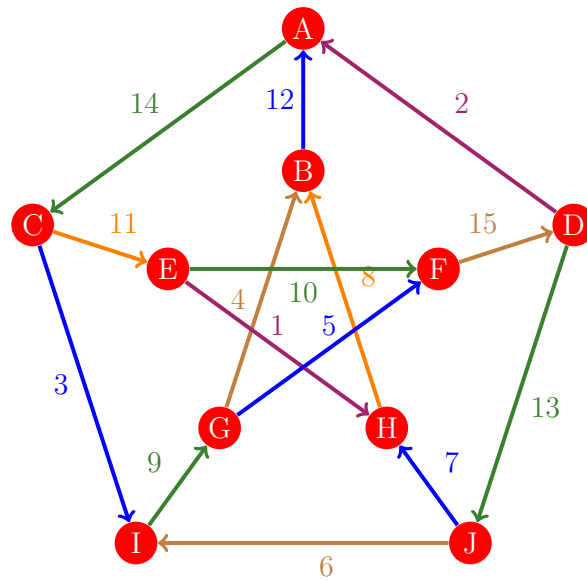


Figura 922: Flujo 914 de la gráfica de Petersen

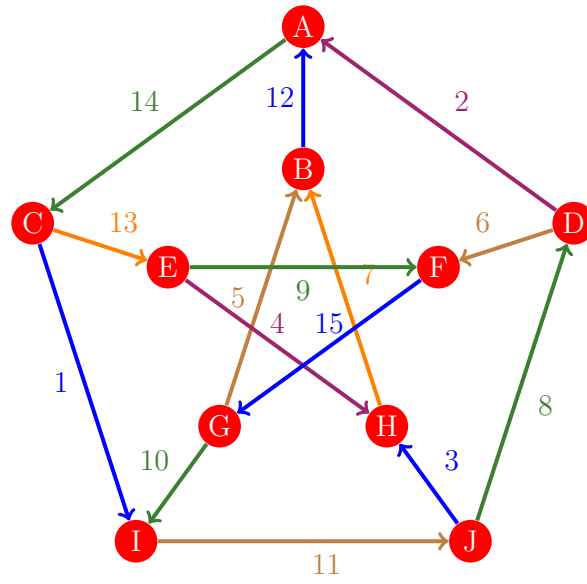


Figura 923: Flujo 915 de la gráfica de Petersen

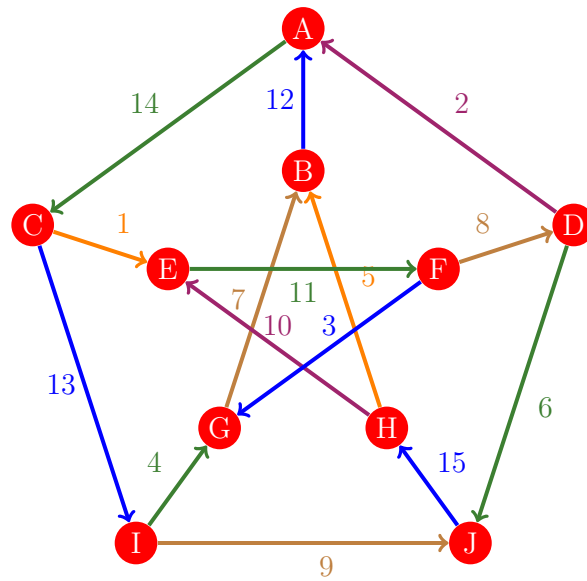


Figura 924: Flujo 916 de la gráfica de Petersen

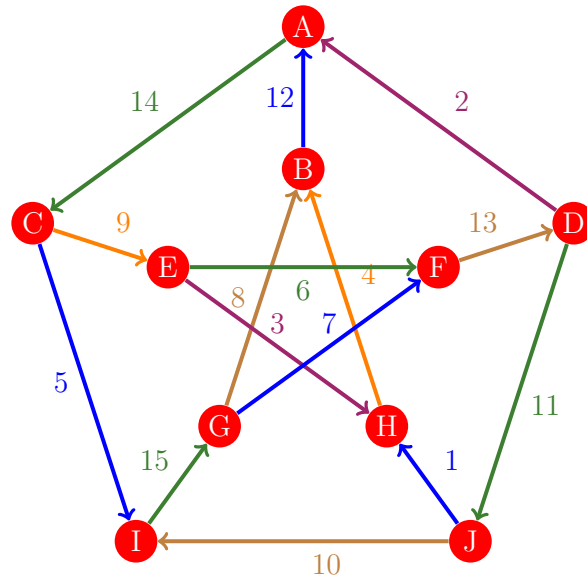


Figura 925: Flujo 917 de la gráfica de Petersen

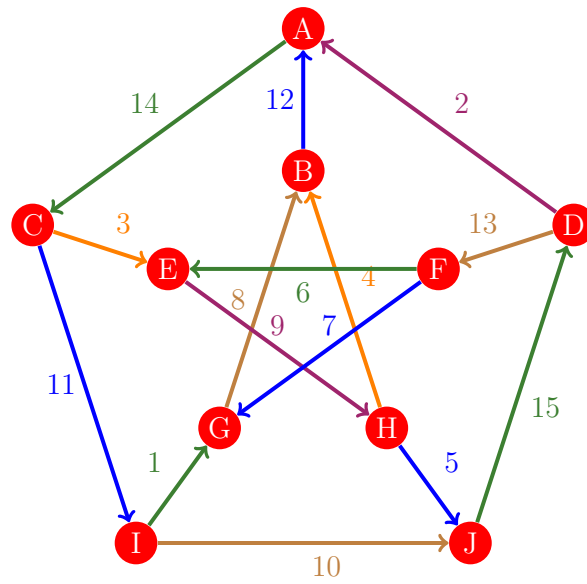


Figura 926: Flujo 918 de la gráfica de Petersen

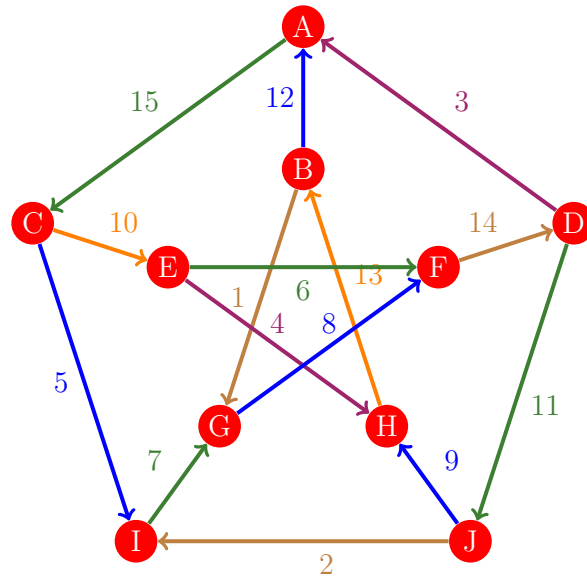


Figura 927: Flujo 919 de la gráfica de Petersen

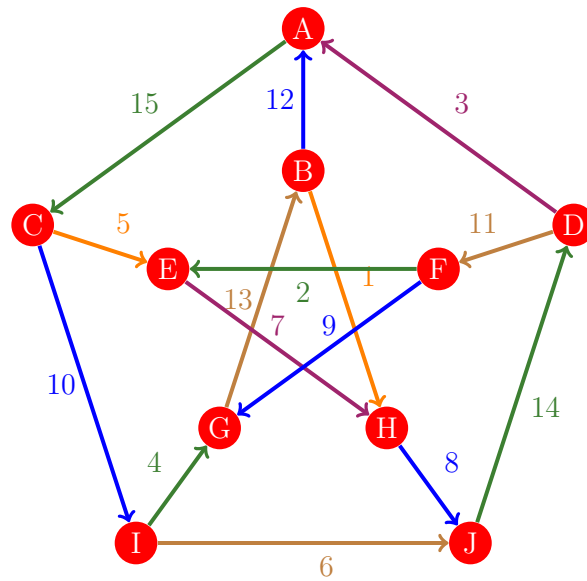


Figura 928: Flujo 920 de la gráfica de Petersen

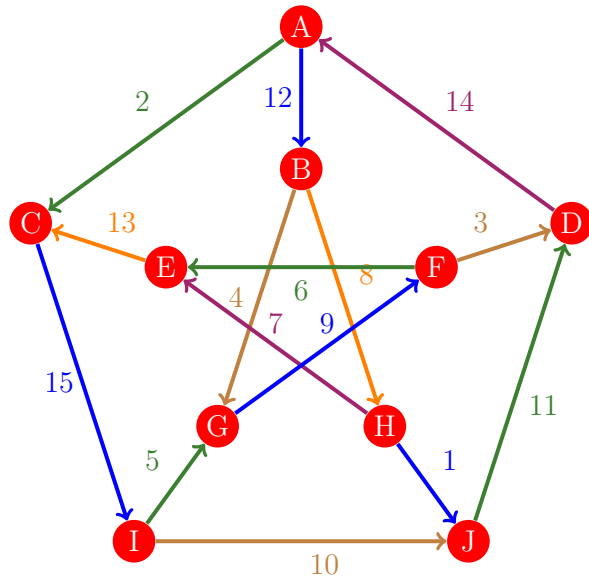


Figura 929: Flujo 921 de la gráfica de Petersen

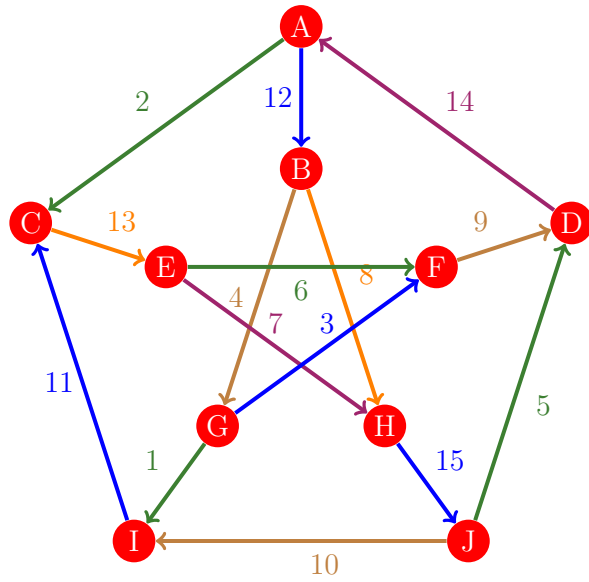


Figura 930: Flujo 922 de la gráfica de Petersen

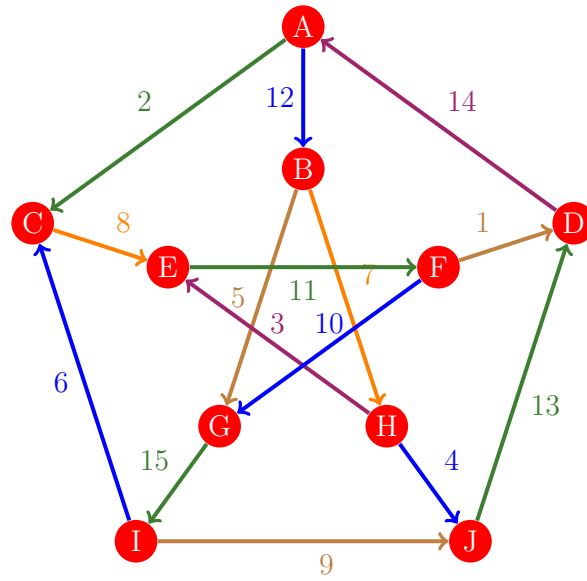


Figura 931: Flujo 923 de la gráfica de Petersen

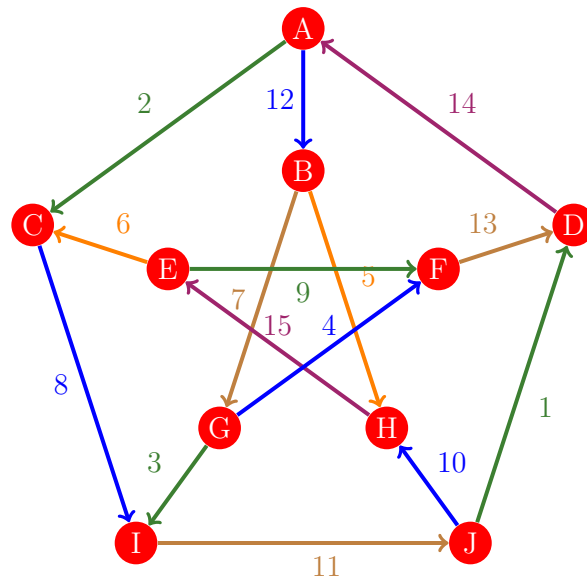


Figura 932: Flujo 924 de la gráfica de Petersen

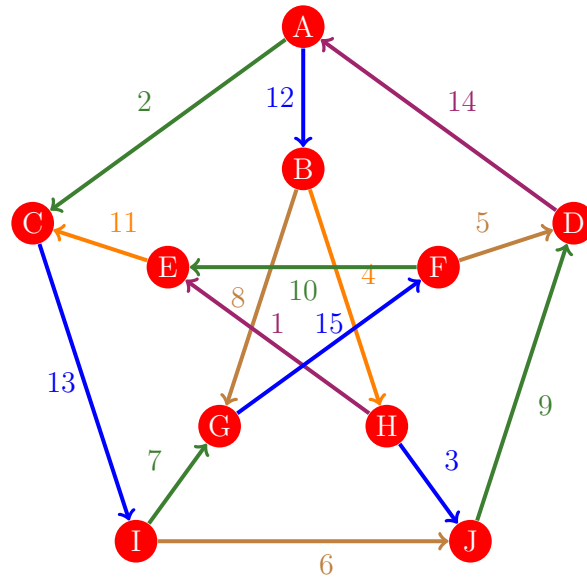


Figura 933: Flujo 925 de la gráfica de Petersen

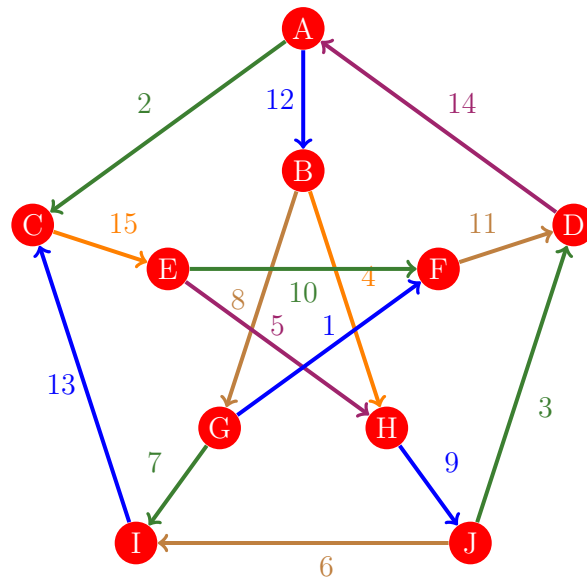


Figura 934: Flujo 926 de la gráfica de Petersen

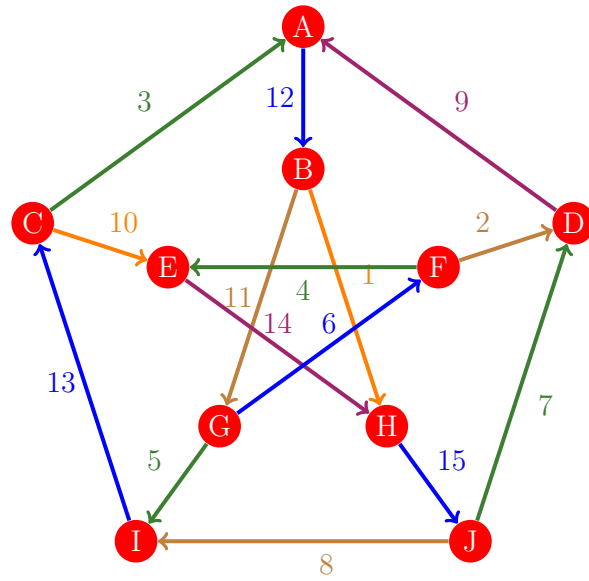


Figura 935: Flujo 927 de la gráfica de Petersen

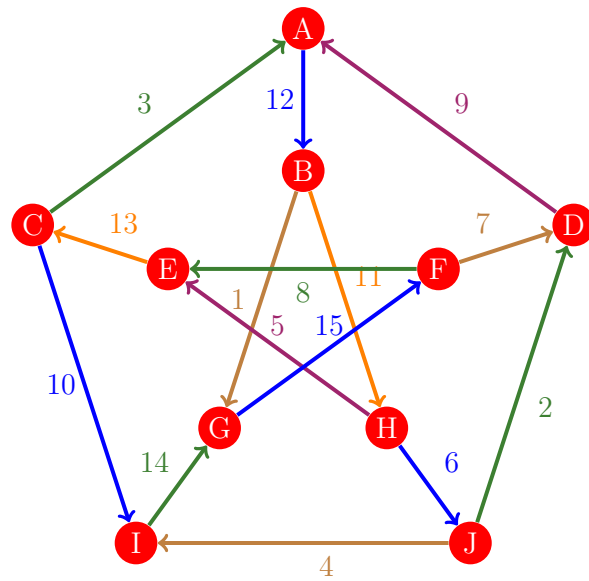


Figura 936: Flujo 928 de la gráfica de Petersen

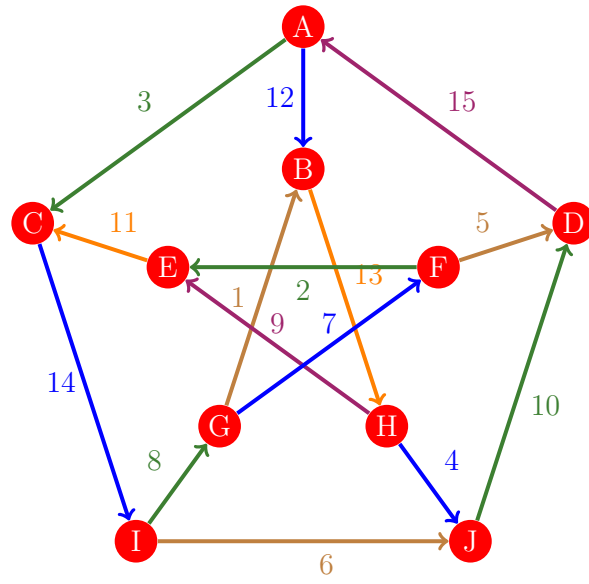


Figura 937: Flujo 929 de la gráfica de Petersen

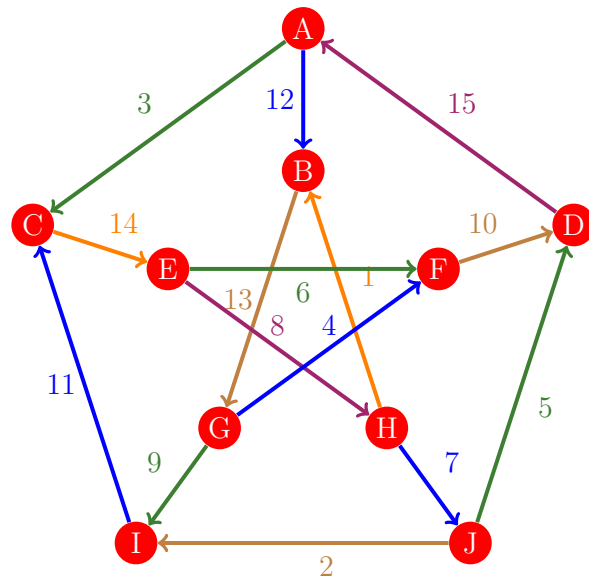


Figura 938: Flujo 930 de la gráfica de Petersen

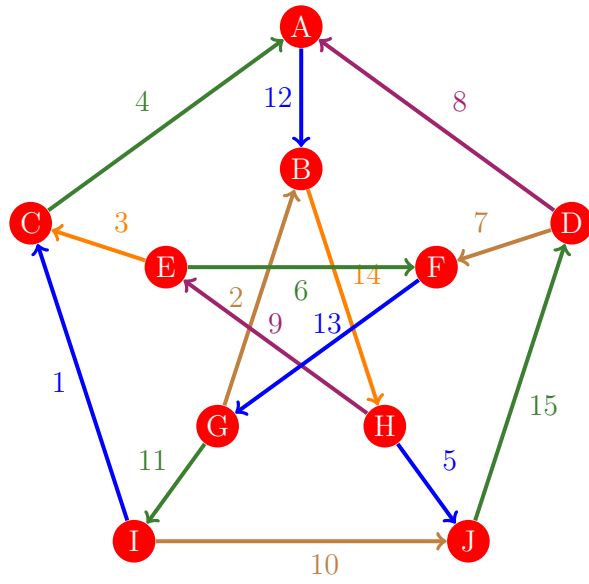


Figura 939: Flujo 931 de la gráfica de Petersen

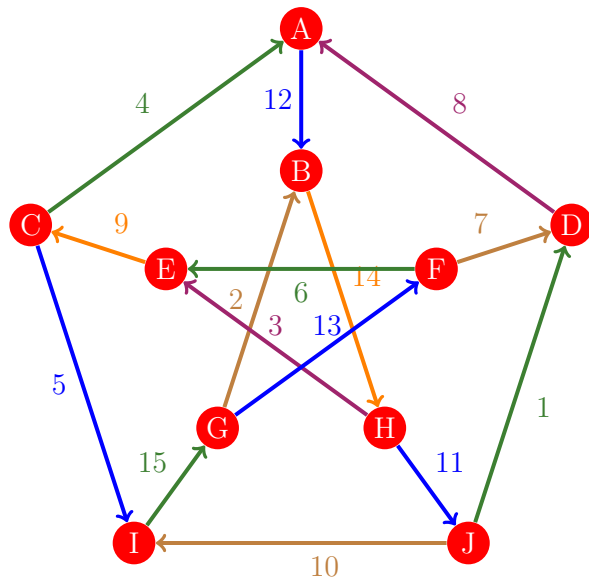


Figura 940: Flujo 932 de la gráfica de Petersen

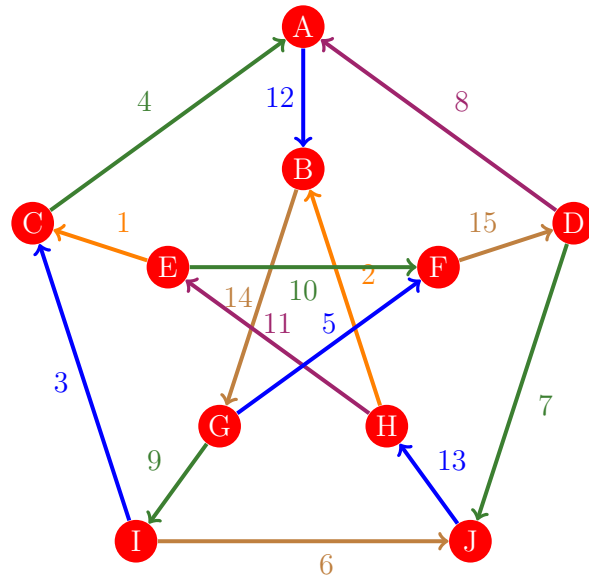


Figura 941: Flujo 933 de la gráfica de Petersen

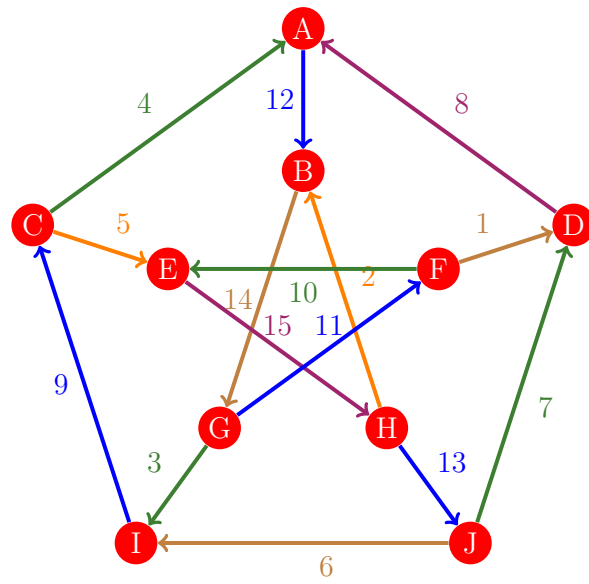


Figura 942: Flujo 934 de la gráfica de Petersen

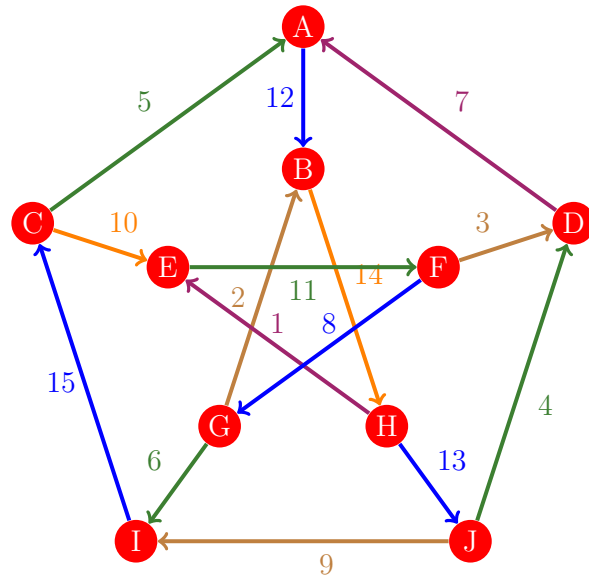


Figura 943: Flujo 935 de la gráfica de Petersen

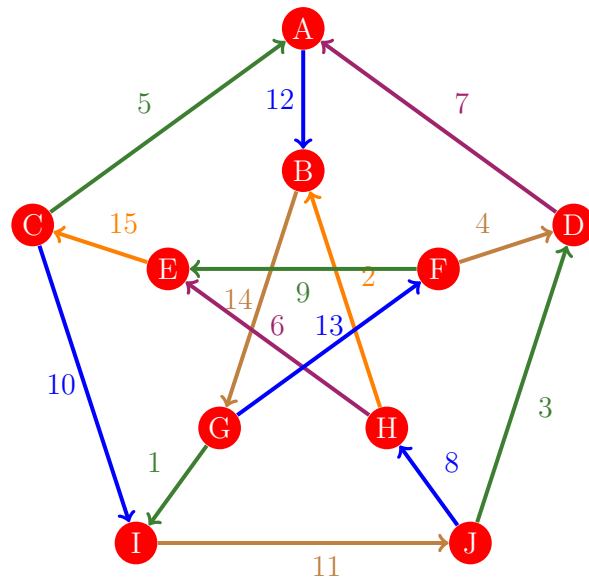


Figura 944: Flujo 936 de la gráfica de Petersen

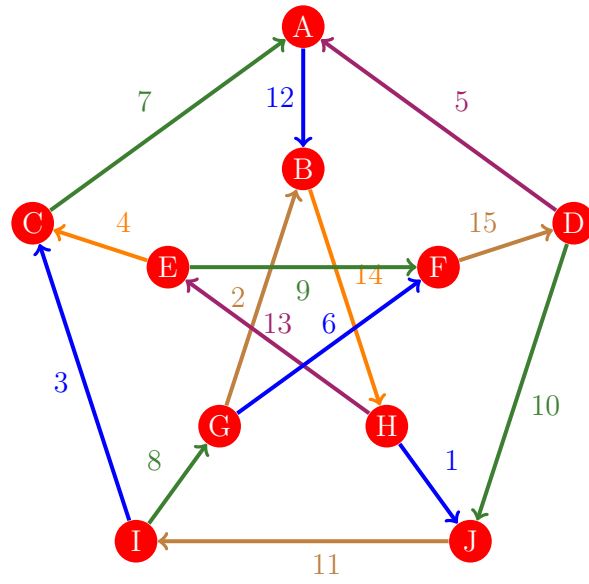


Figura 945: Flujo 937 de la gráfica de Petersen

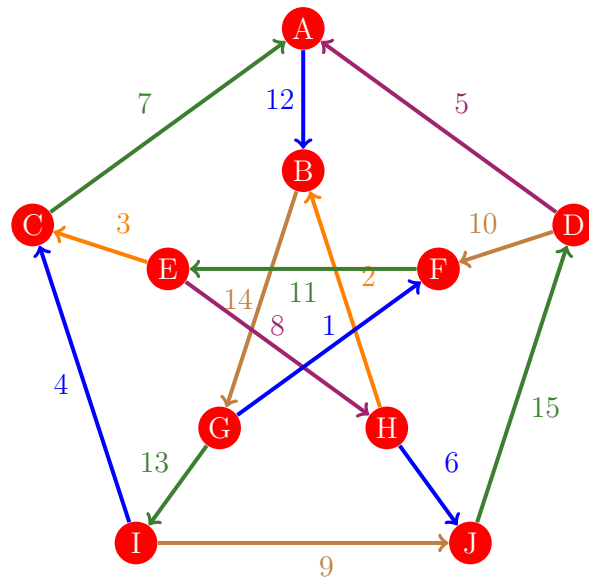


Figura 946: Flujo 938 de la gráfica de Petersen

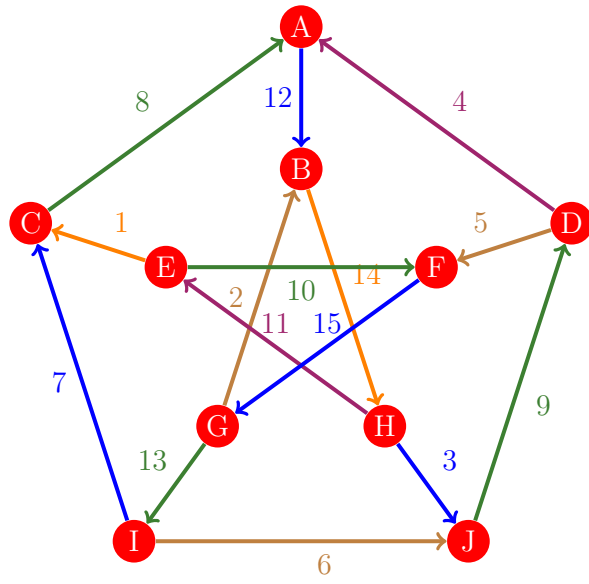


Figura 947: Flujo 939 de la gráfica de Petersen

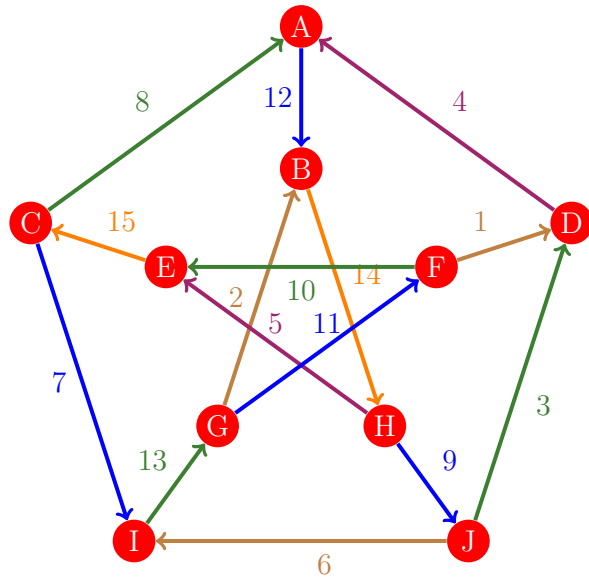


Figura 948: Flujo 940 de la gráfica de Petersen

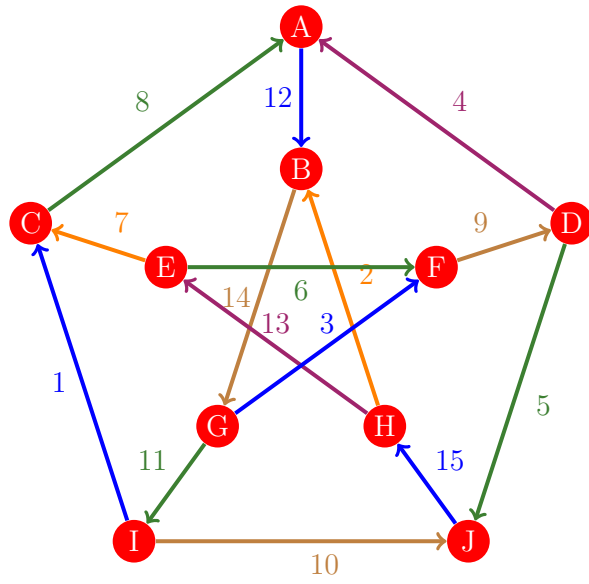


Figura 949: Flujo 941 de la gráfica de Petersen

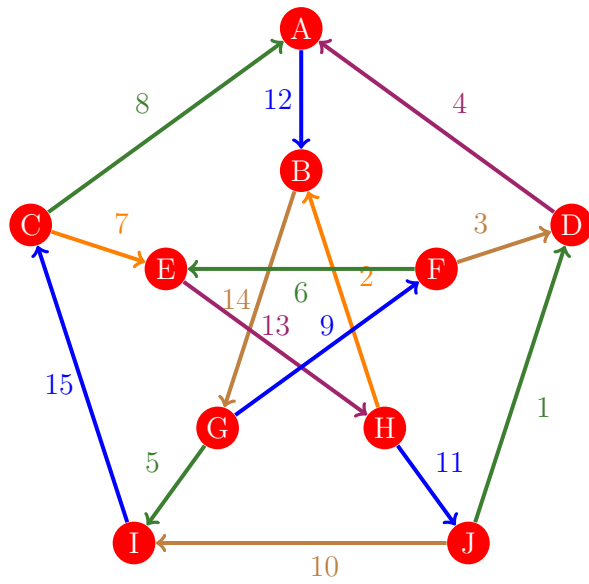


Figura 950: Flujo 942 de la gráfica de Petersen

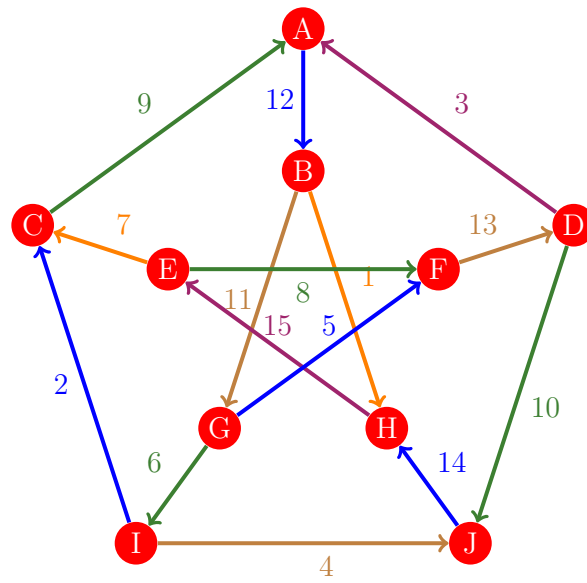


Figura 951: Flujo 943 de la gráfica de Petersen

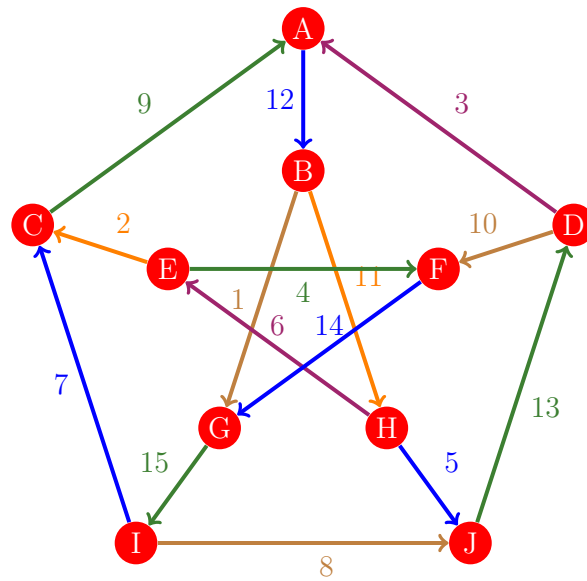


Figura 952: Flujo 944 de la gráfica de Petersen

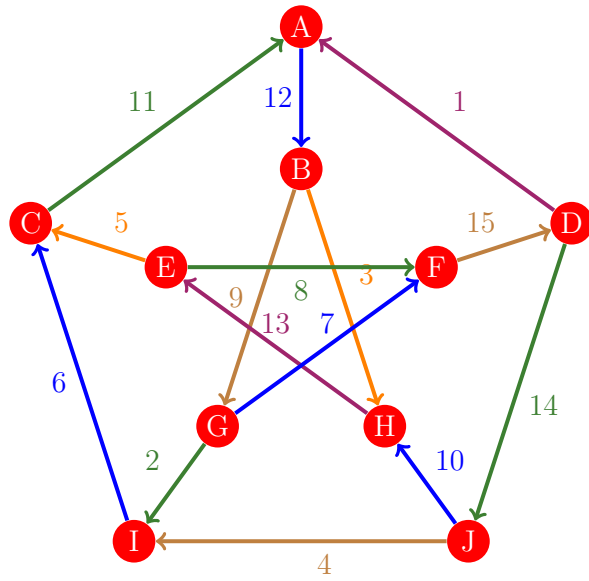


Figura 953: Flujo 945 de la gráfica de Petersen

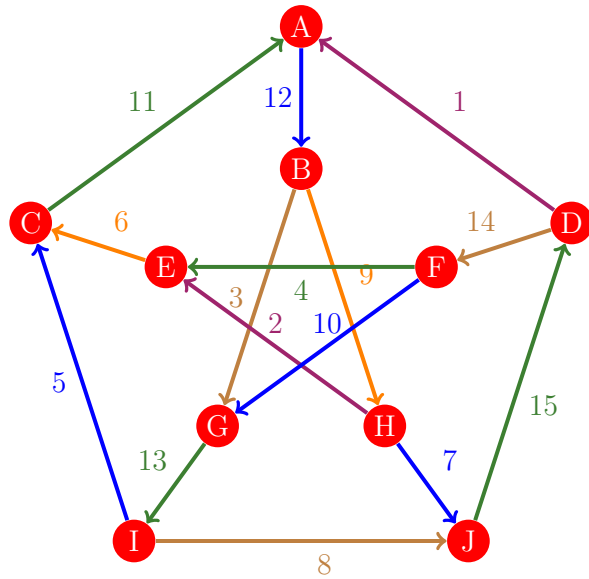


Figura 954: Flujo 946 de la gráfica de Petersen

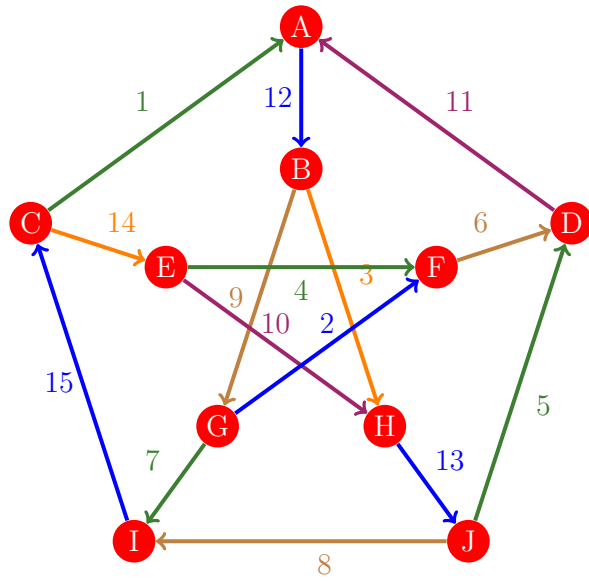


Figura 955: Flujo 947 de la gráfica de Petersen

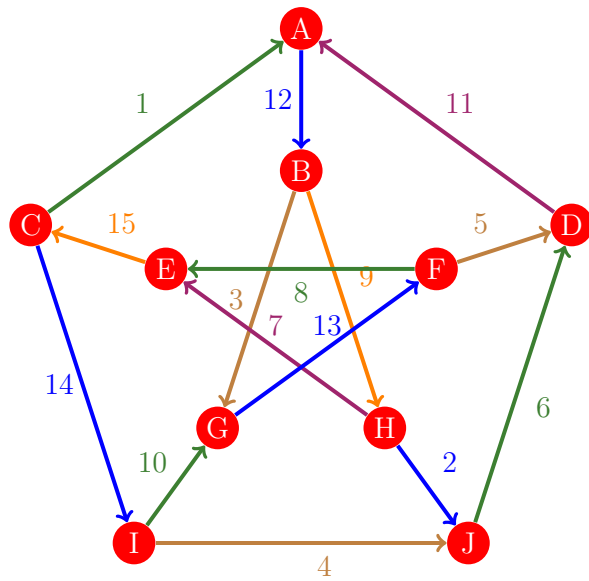


Figura 956: Flujo 948 de la gráfica de Petersen

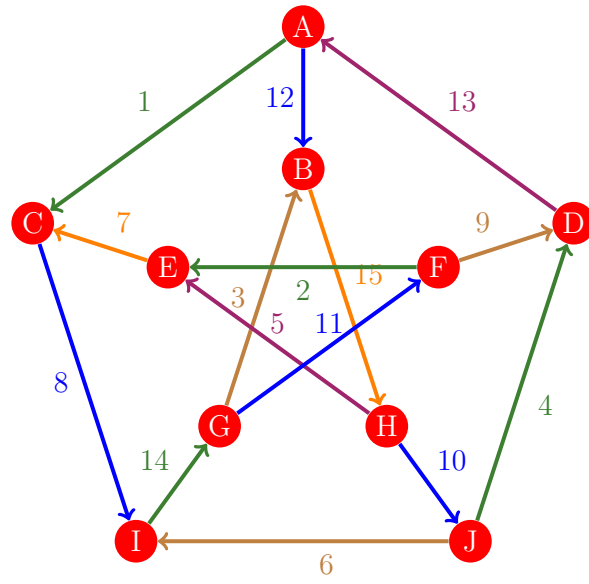


Figura 957: Flujo 949 de la gráfica de Petersen

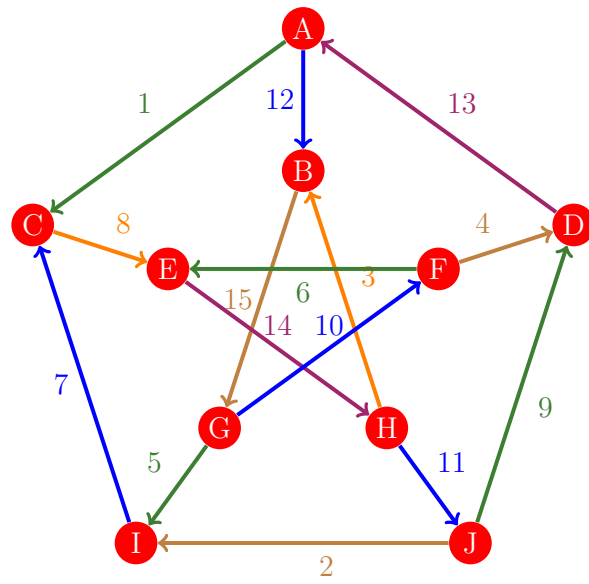


Figura 958: Flujo 950 de la gráfica de Petersen

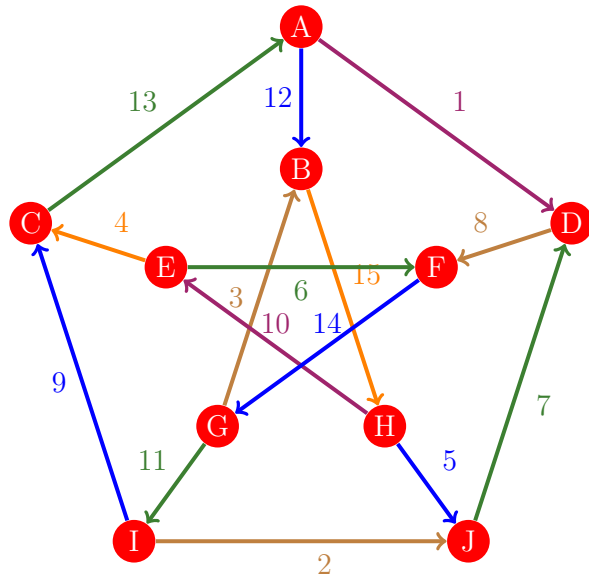


Figura 959: Flujo 951 de la gráfica de Petersen

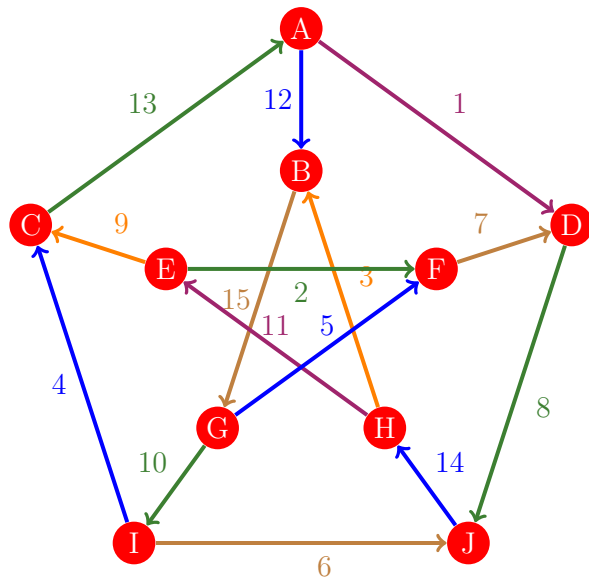


Figura 960: Flujo 952 de la gráfica de Petersen

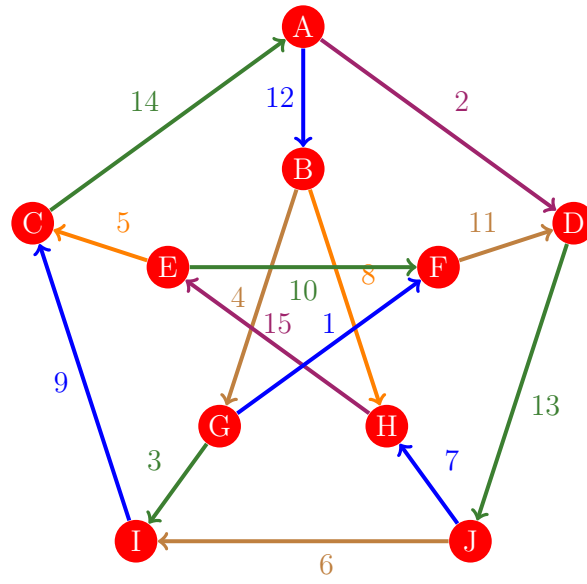


Figura 961: Flujo 953 de la gráfica de Petersen

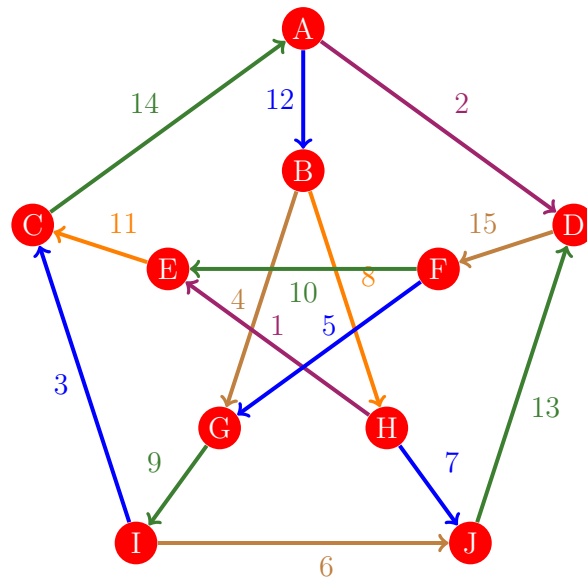


Figura 962: Flujo 954 de la gráfica de Petersen

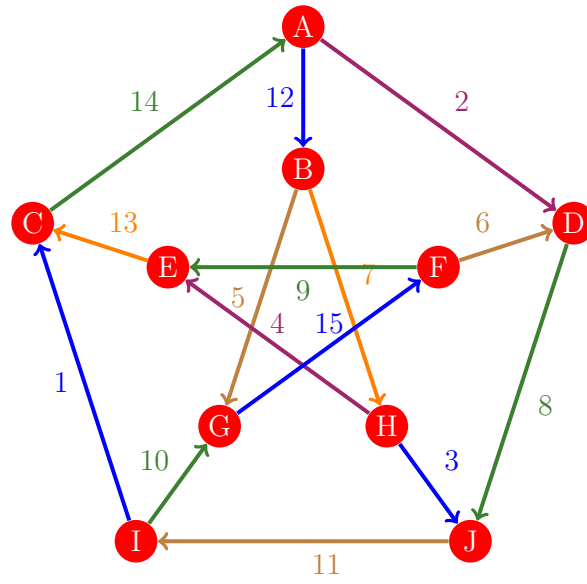


Figura 963: Flujo 955 de la gráfica de Petersen

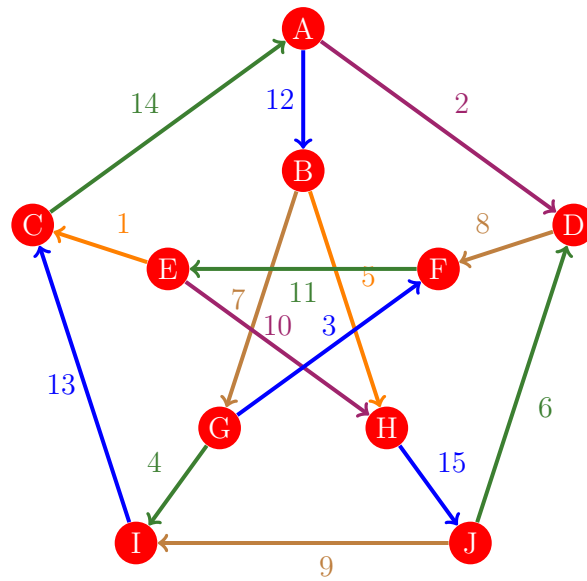


Figura 964: Flujo 956 de la gráfica de Petersen

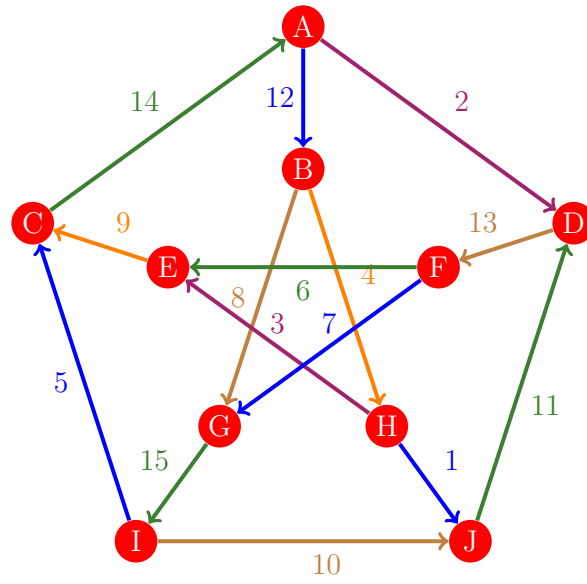


Figura 965: Flujo 957 de la gráfica de Petersen

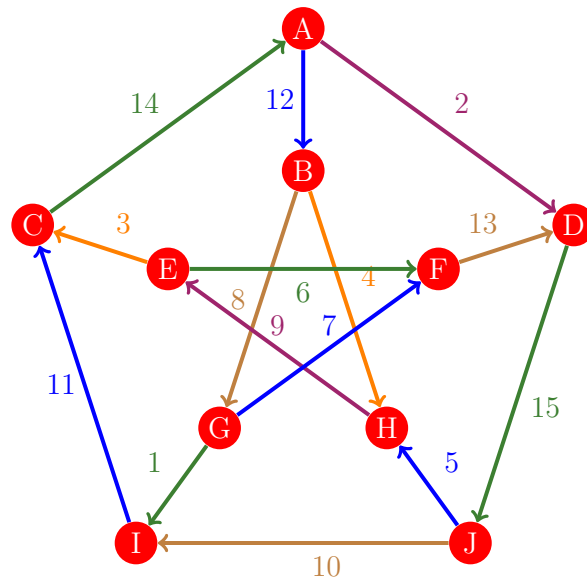


Figura 966: Flujo 958 de la gráfica de Petersen

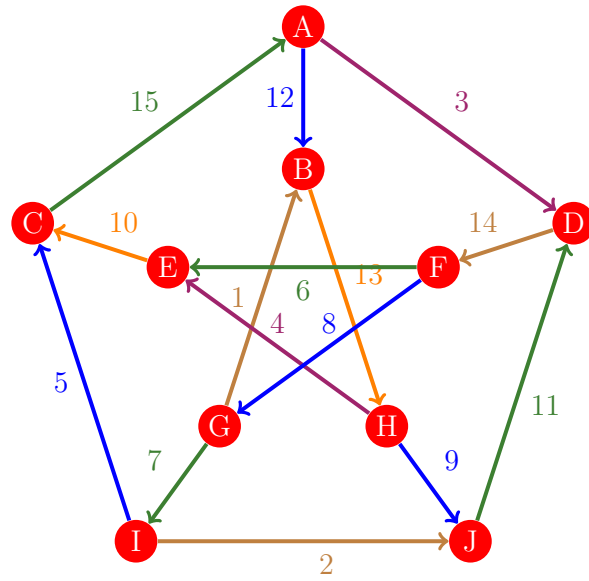


Figura 967: Flujo 959 de la gráfica de Petersen

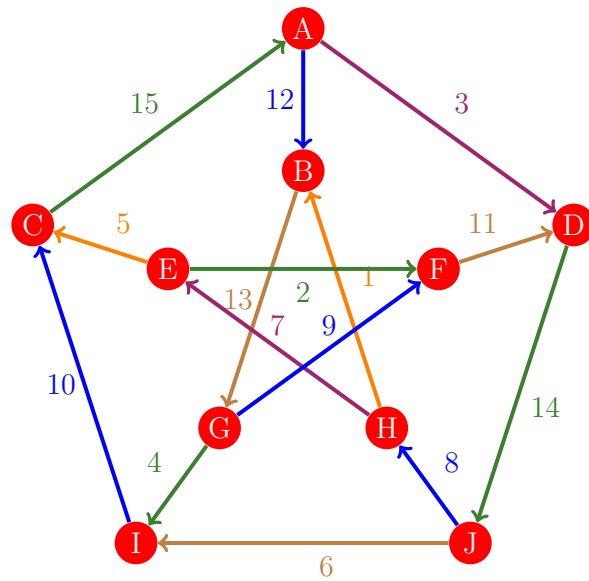


Figura 968: Flujo 960 de la gráfica de Petersen

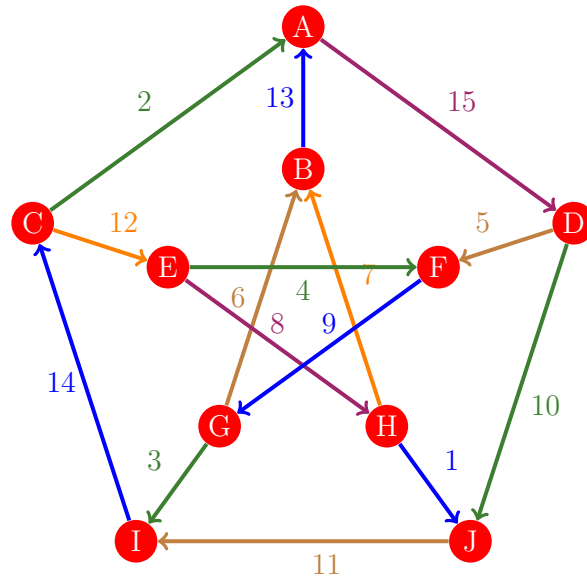


Figura 969: Flujo 961 de la gráfica de Petersen

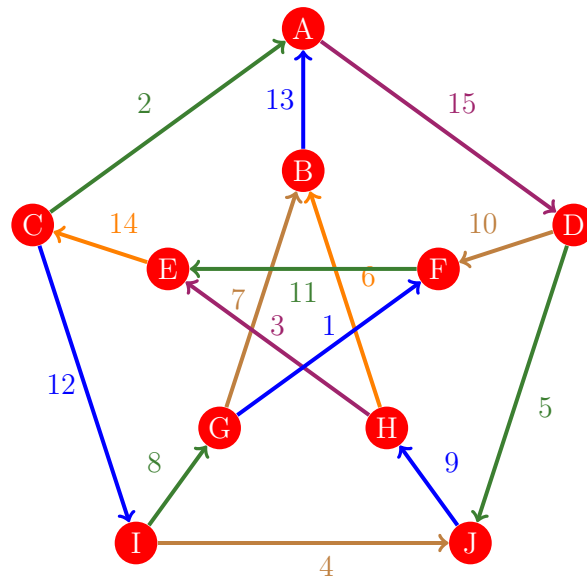


Figura 970: Flujo 962 de la gráfica de Petersen

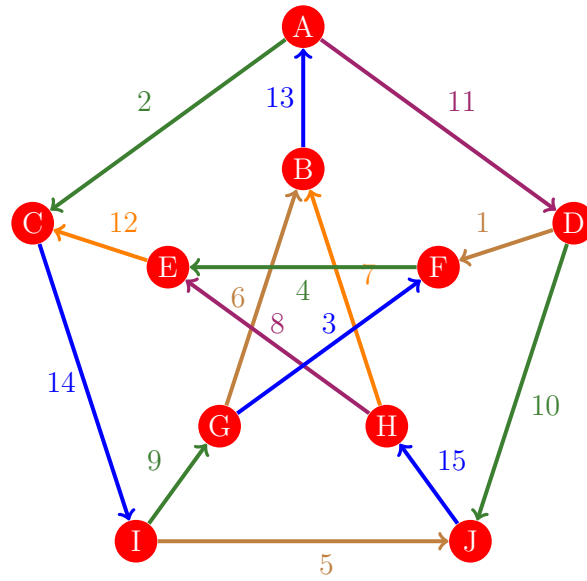


Figura 971: Flujo 963 de la gráfica de Petersen

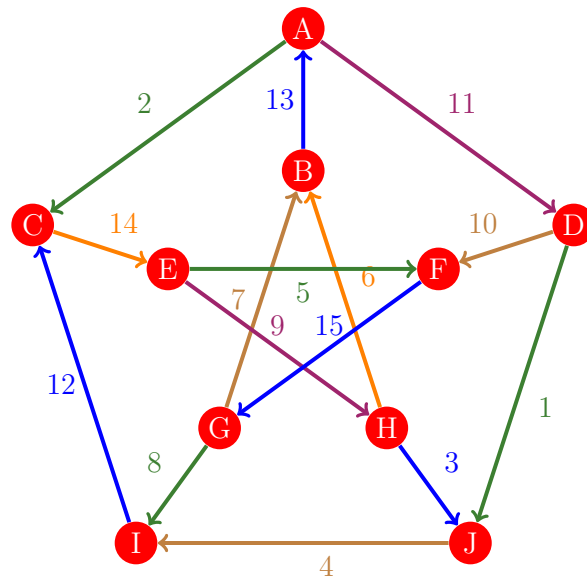


Figura 972: Flujo 964 de la gráfica de Petersen

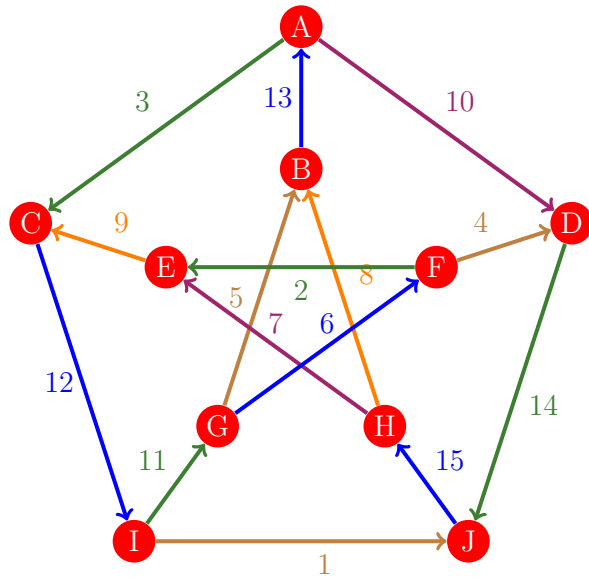


Figura 973: Flujo 965 de la gráfica de Petersen

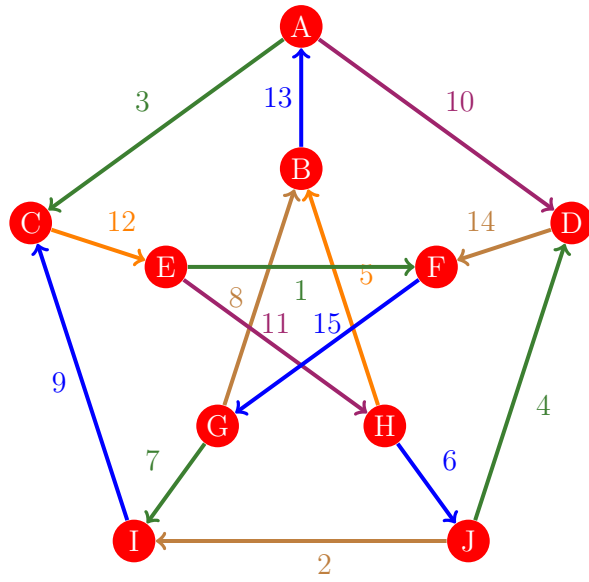


Figura 974: Flujo 966 de la gráfica de Petersen

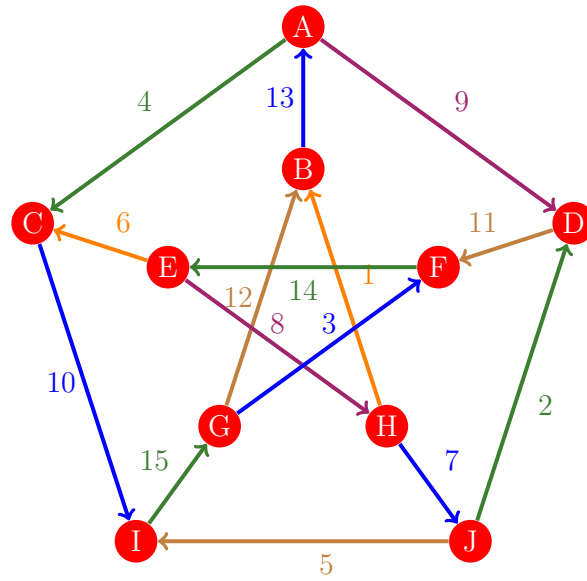


Figura 975: Flujo 967 de la gráfica de Petersen

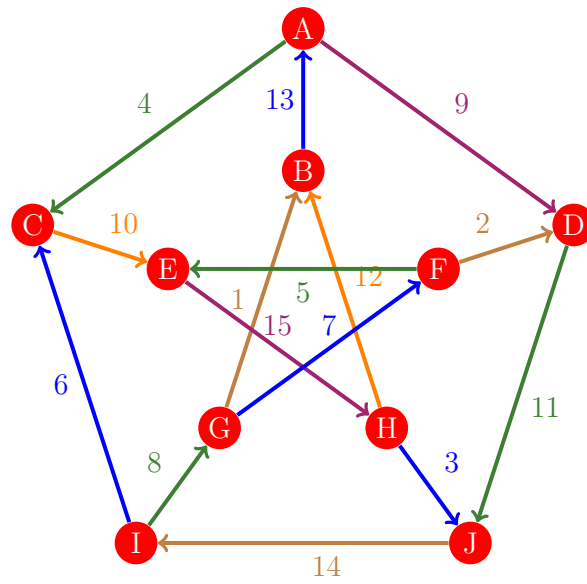


Figura 976: Flujo 968 de la gráfica de Petersen

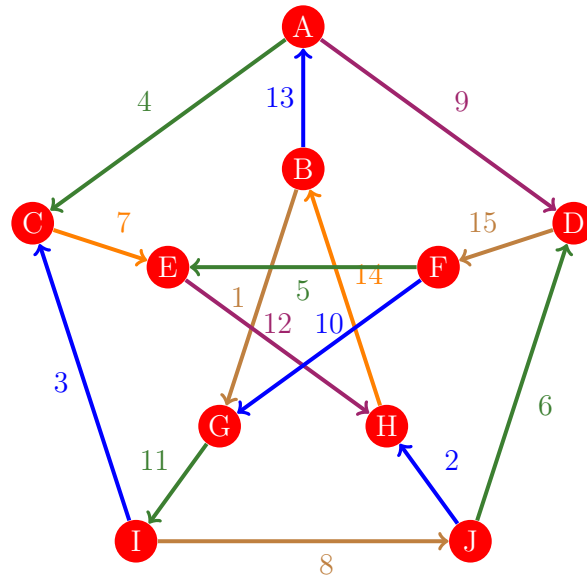


Figura 977: Flujo 969 de la gráfica de Petersen

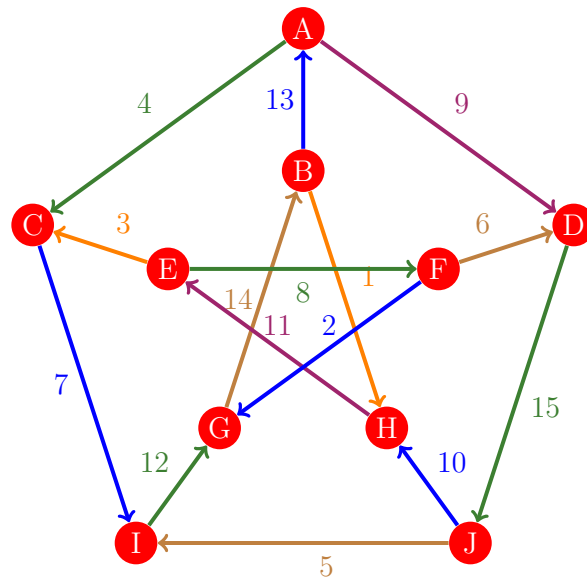


Figura 978: Flujo 970 de la gráfica de Petersen

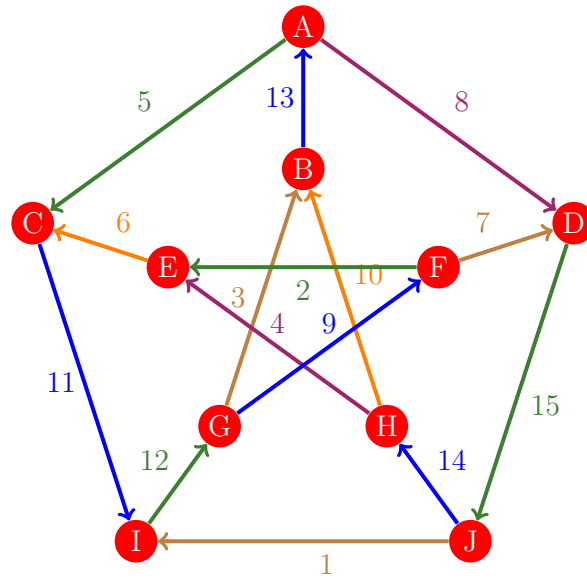


Figura 979: Flujo 971 de la gráfica de Petersen

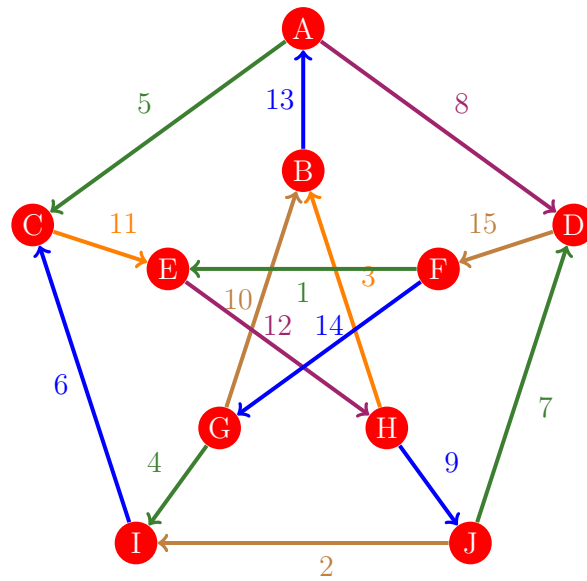


Figura 980: Flujo 972 de la gráfica de Petersen

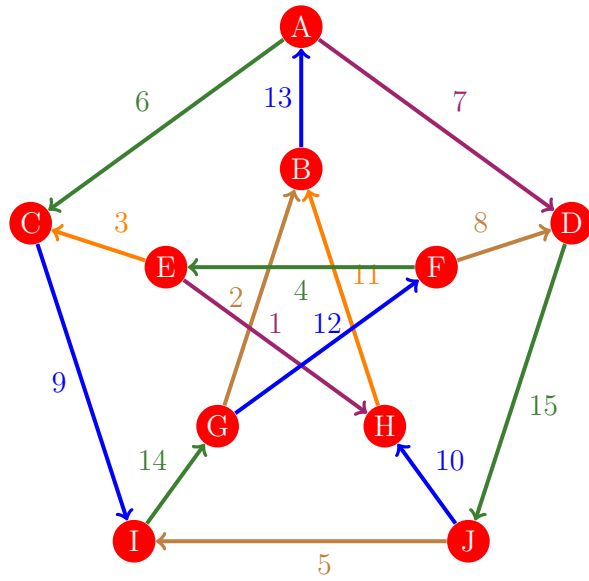


Figura 981: Flujo 973 de la gráfica de Petersen

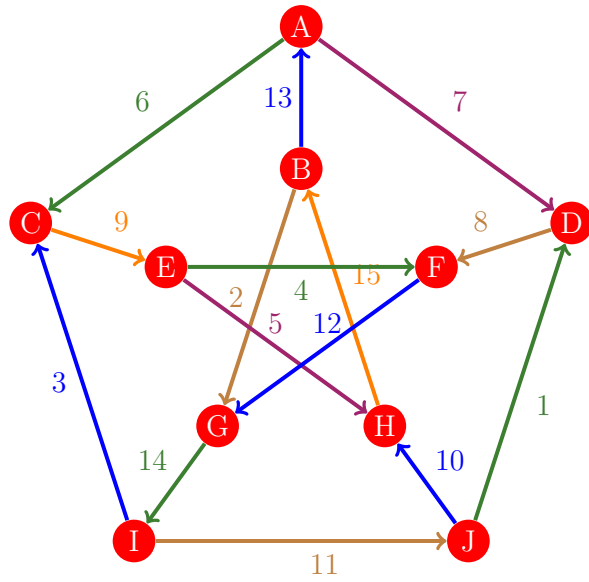


Figura 982: Flujo 974 de la gráfica de Petersen

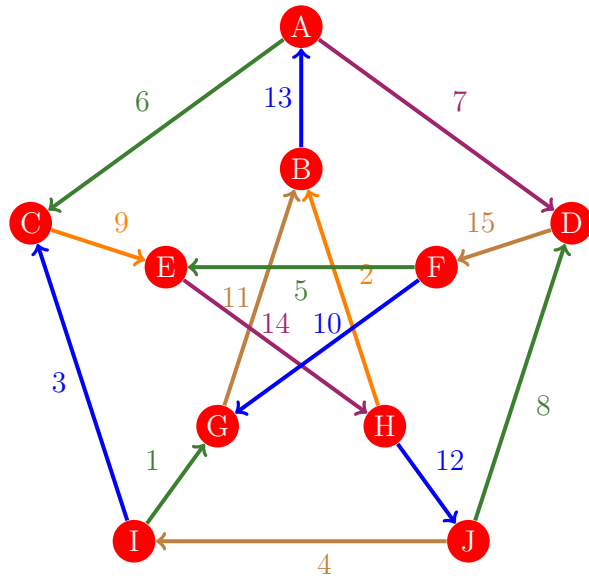


Figura 983: Flujo 975 de la gráfica de Petersen

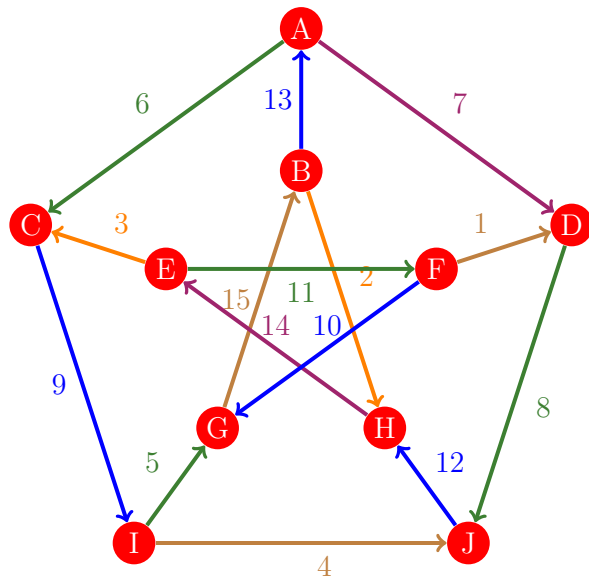


Figura 984: Flujo 976 de la gráfica de Petersen

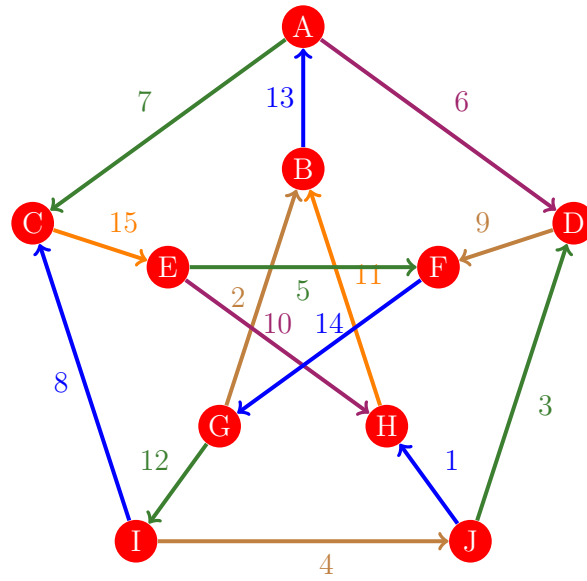


Figura 985: Flujo 977 de la gráfica de Petersen

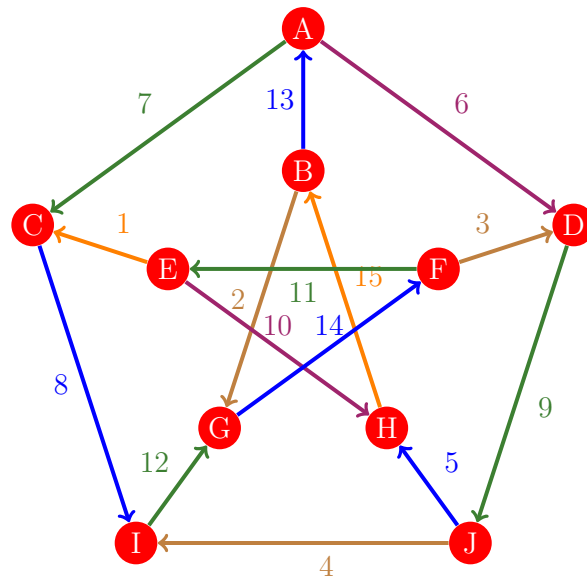


Figura 986: Flujo 978 de la gráfica de Petersen

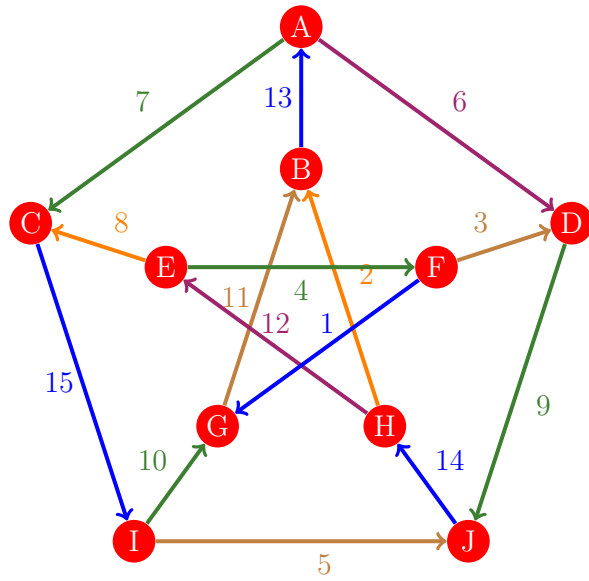


Figura 987: Flujo 979 de la gráfica de Petersen

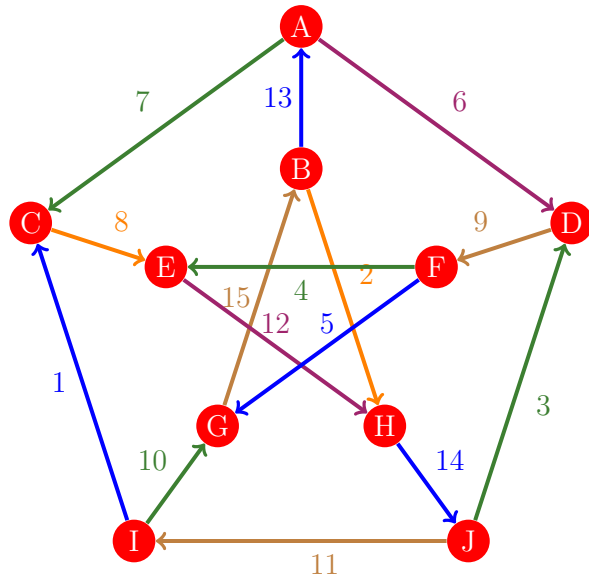


Figura 988: Flujo 980 de la gráfica de Petersen

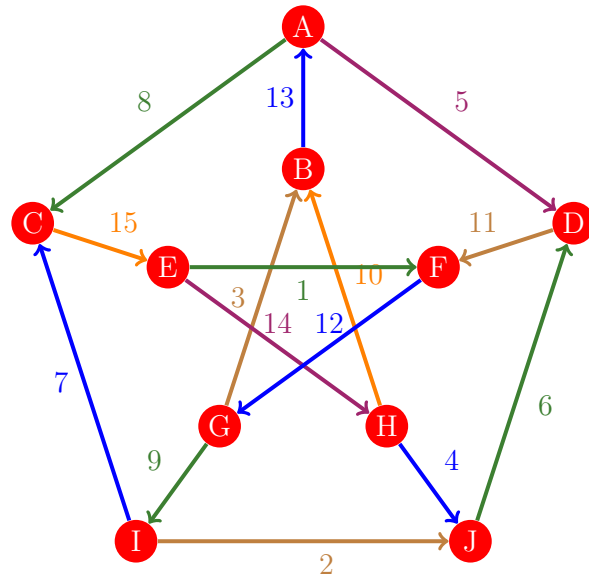


Figura 989: Flujo 981 de la gráfica de Petersen

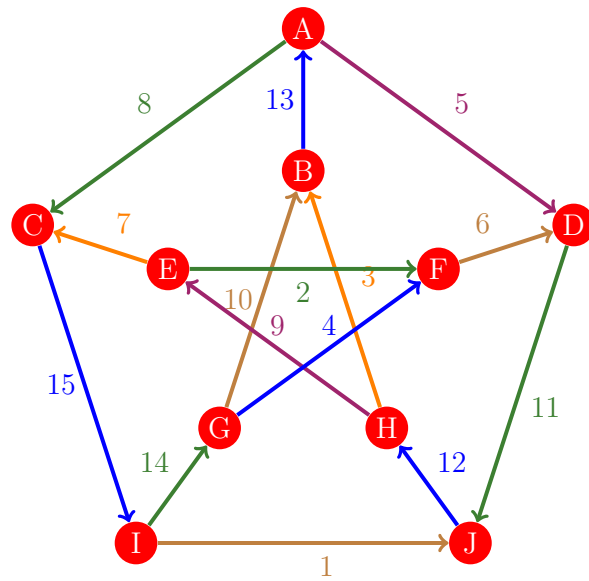


Figura 990: Flujo 982 de la gráfica de Petersen

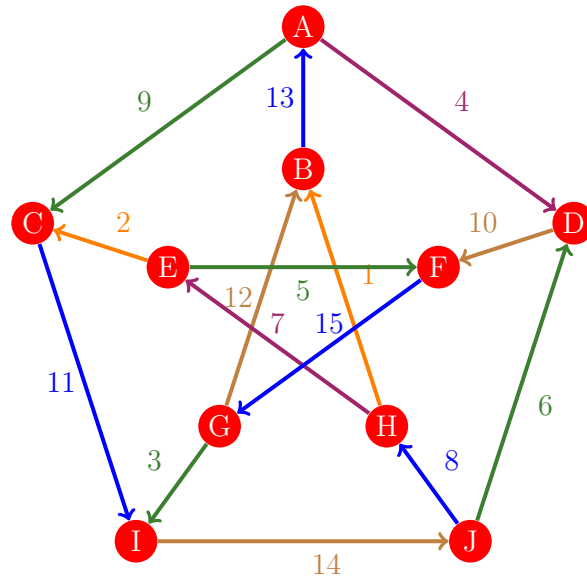


Figura 991: Flujo 983 de la gráfica de Petersen

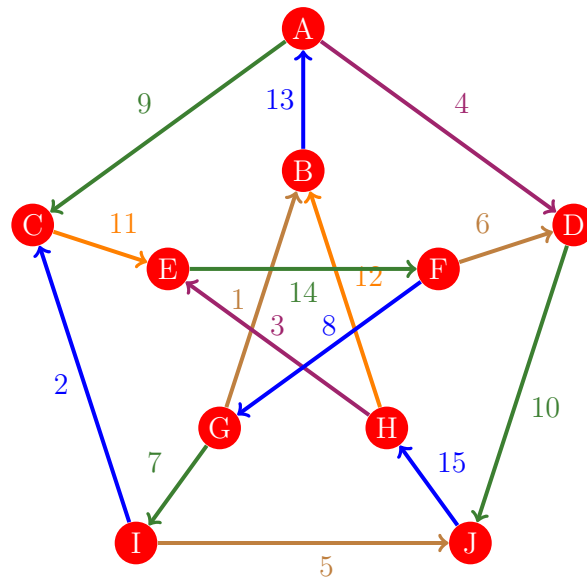


Figura 992: Flujo 984 de la gráfica de Petersen

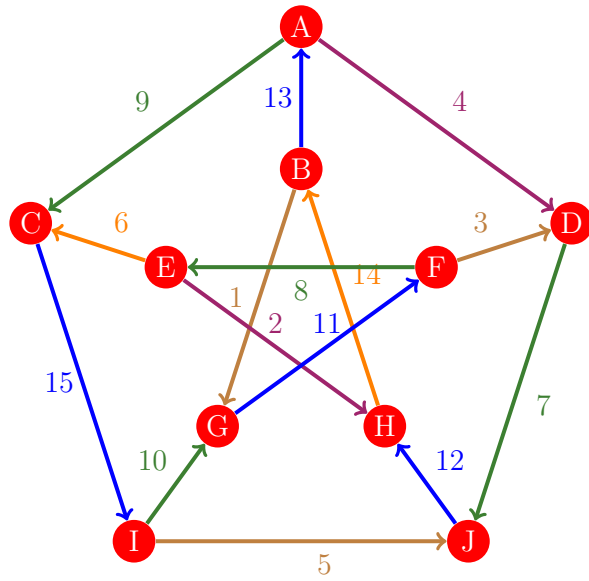


Figura 993: Flujo 985 de la gráfica de Petersen

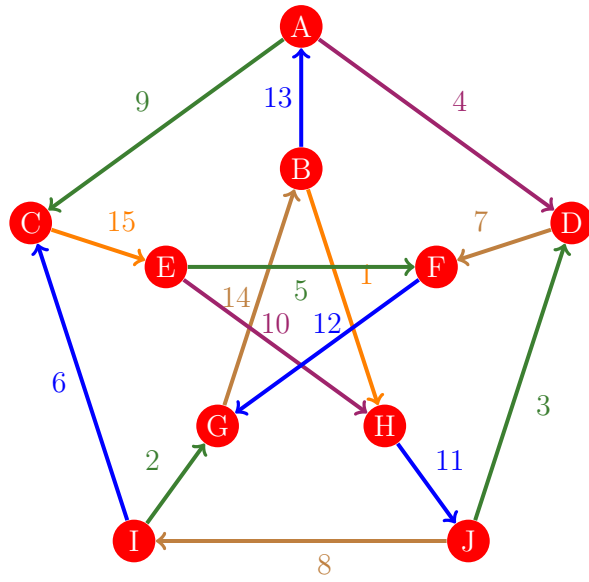


Figura 994: Flujo 986 de la gráfica de Petersen

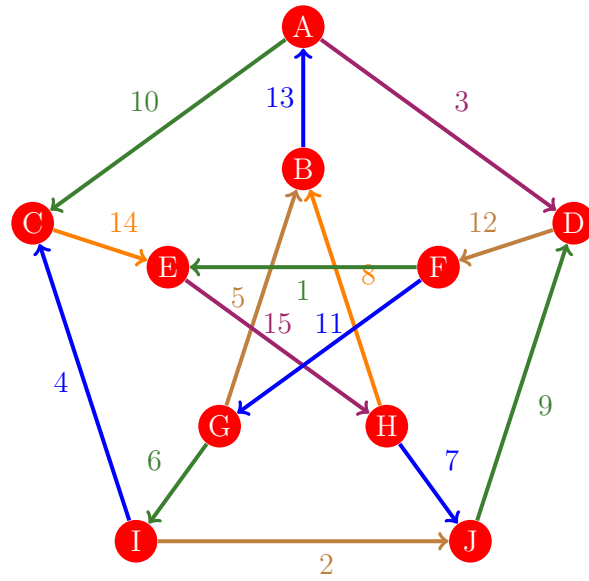


Figura 995: Flujo 987 de la gráfica de Petersen

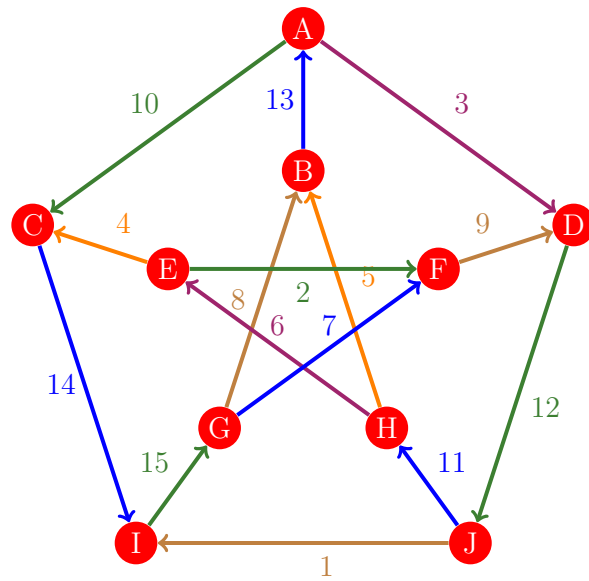


Figura 996: Flujo 988 de la gráfica de Petersen

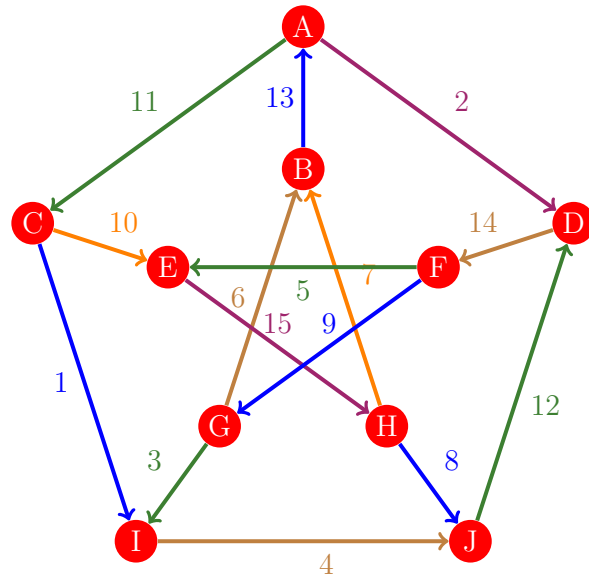


Figura 997: Flujo 989 de la gráfica de Petersen

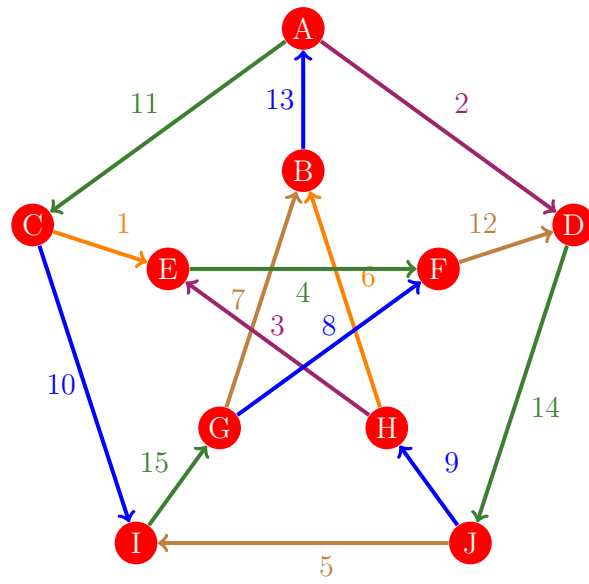


Figura 998: Flujo 990 de la gráfica de Petersen

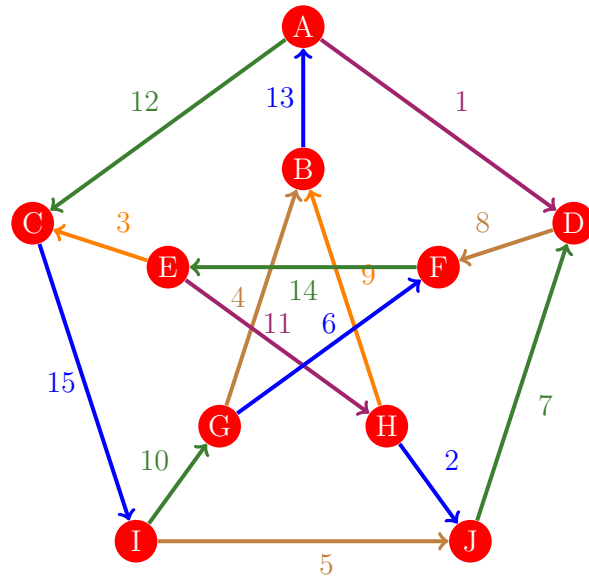


Figura 999: Flujo 991 de la gráfica de Petersen

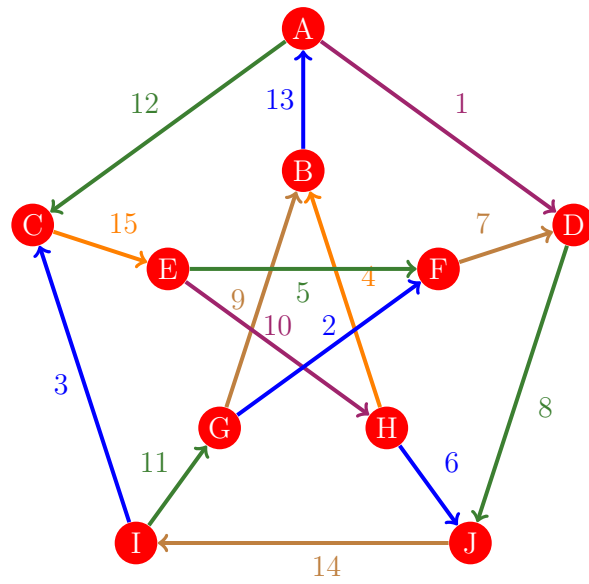


Figura 1000: Flujo 992 de la gráfica de Petersen

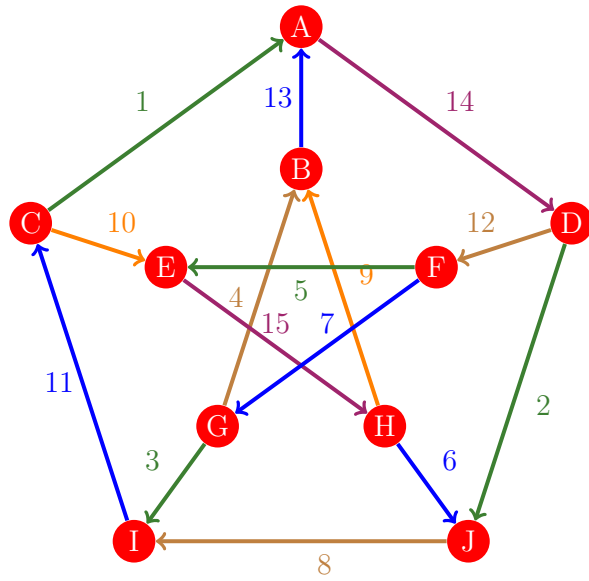


Figura 1001: Flujo 993 de la gráfica de Petersen

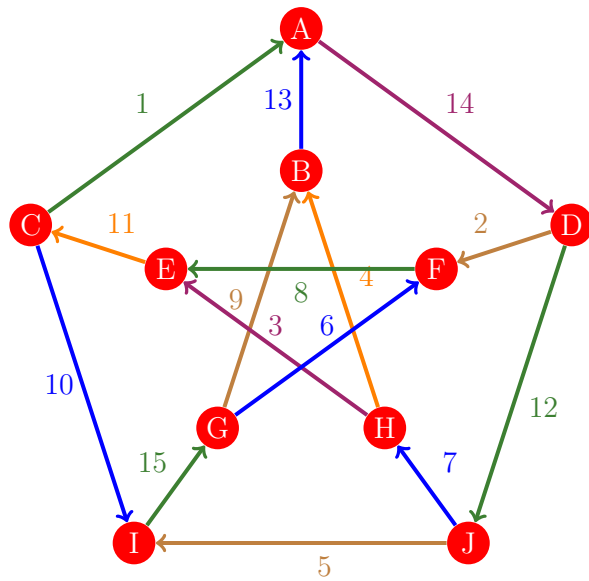


Figura 1002: Flujo 994 de la gráfica de Petersen

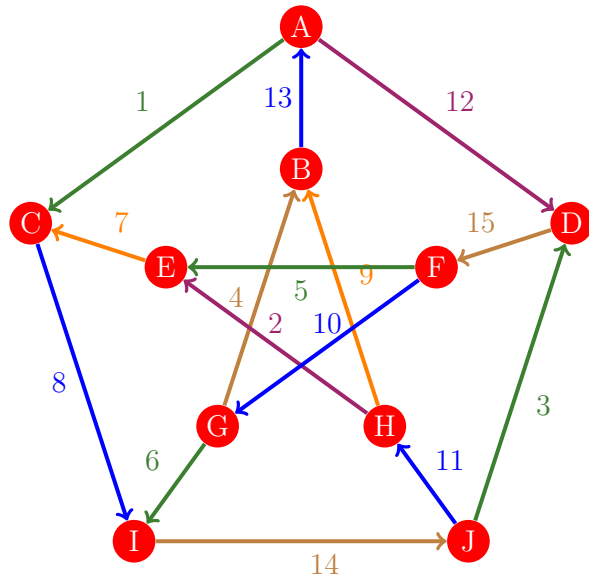


Figura 1003: Flujo 995 de la gráfica de Petersen

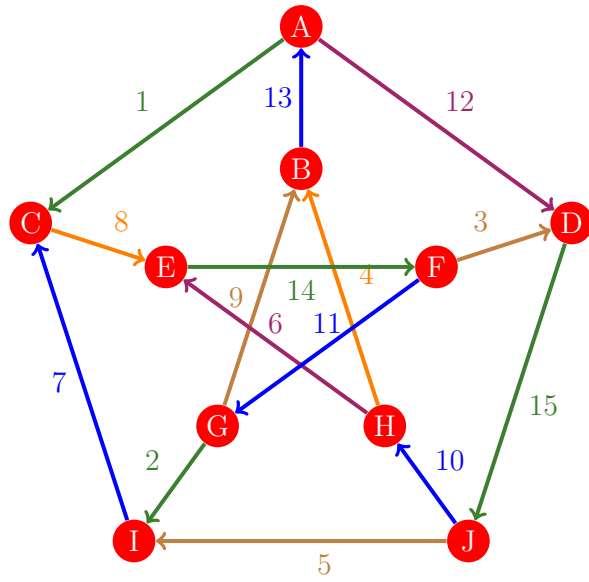


Figura 1004: Flujo 996 de la gráfica de Petersen

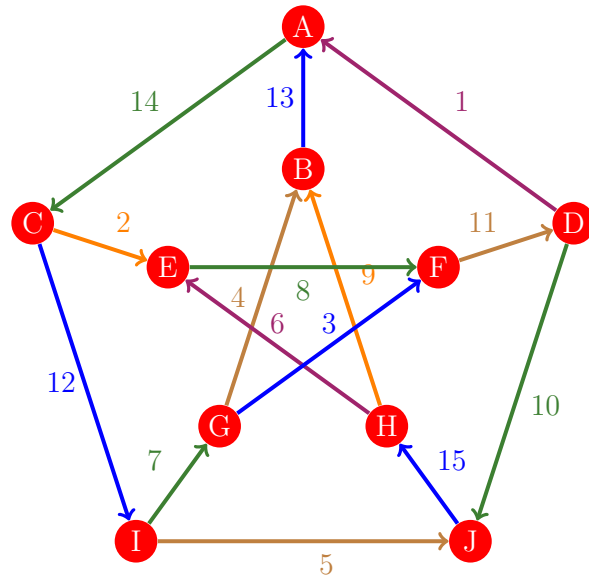


Figura 1005: Flujo 997 de la gráfica de Petersen

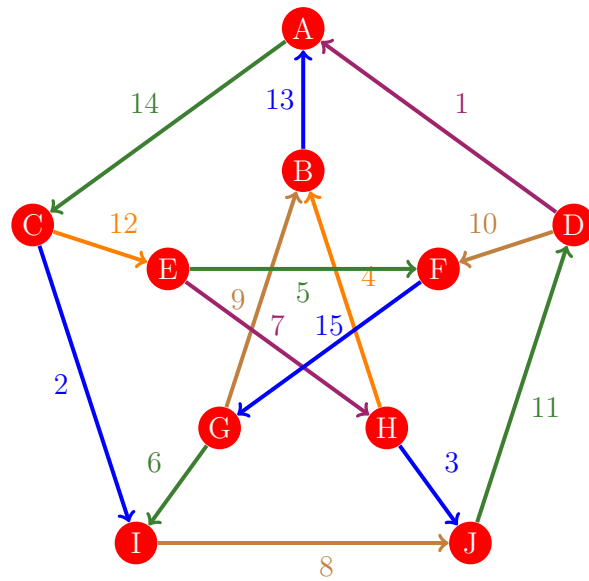


Figura 1006: Flujo 998 de la gráfica de Petersen

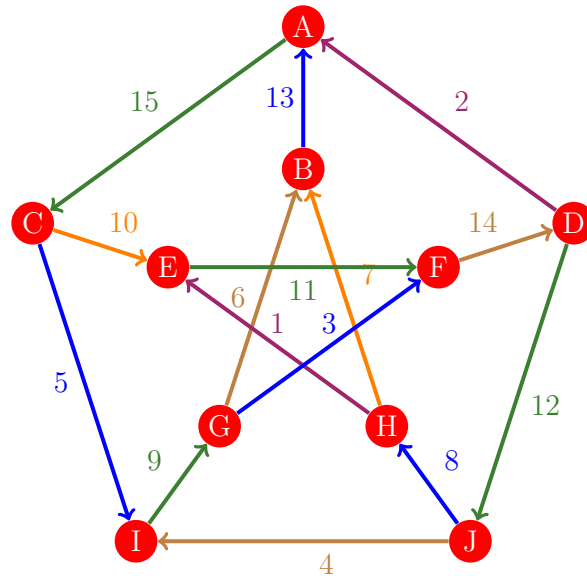


Figura 1007: Flujo 999 de la gráfica de Petersen

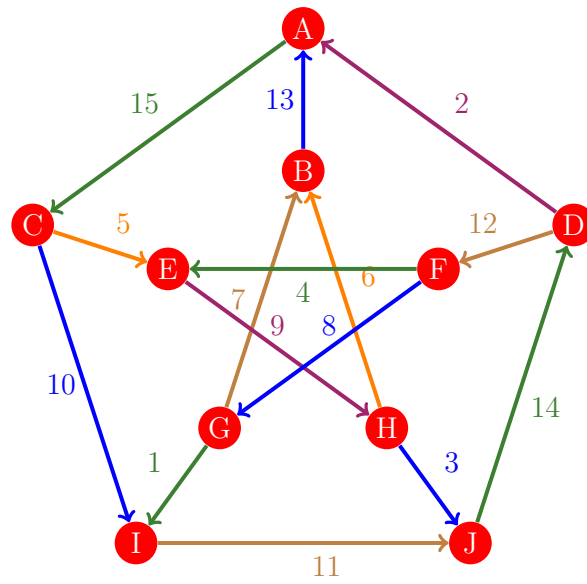


Figura 1008: Flujo 1000 de la gráfica de Petersen

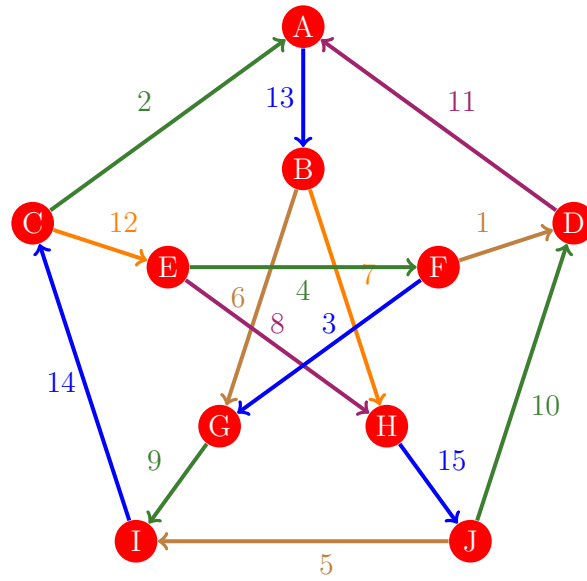


Figura 1009: Flujo 1001 de la gráfica de Petersen

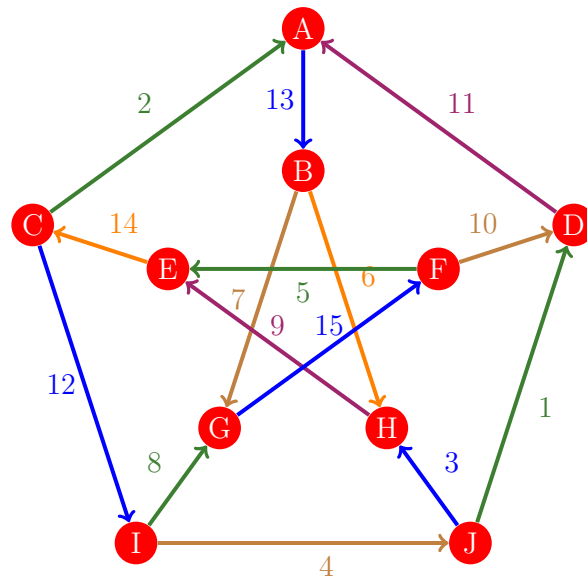


Figura 1010: Flujo 1002 de la gráfica de Petersen

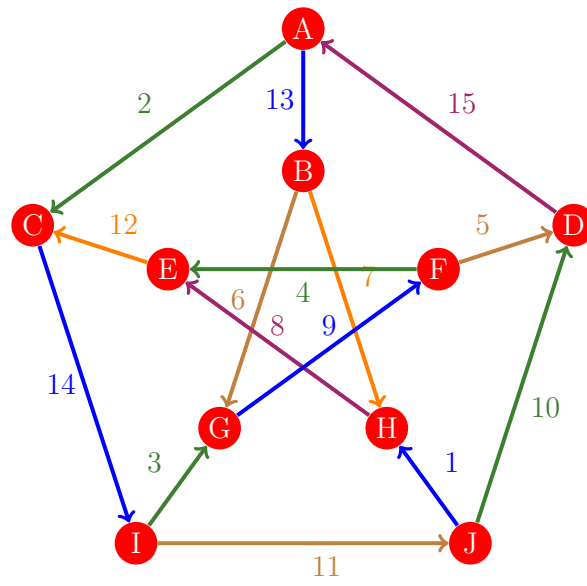


Figura 1011: Flujo 1003 de la gráfica de Petersen

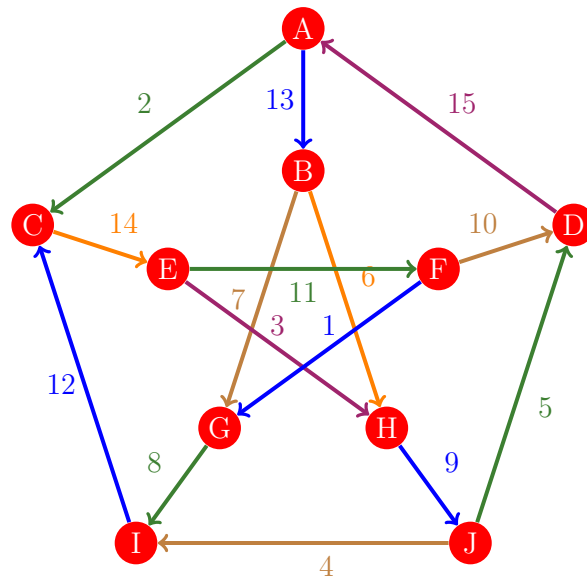


Figura 1012: Flujo 1004 de la gráfica de Petersen

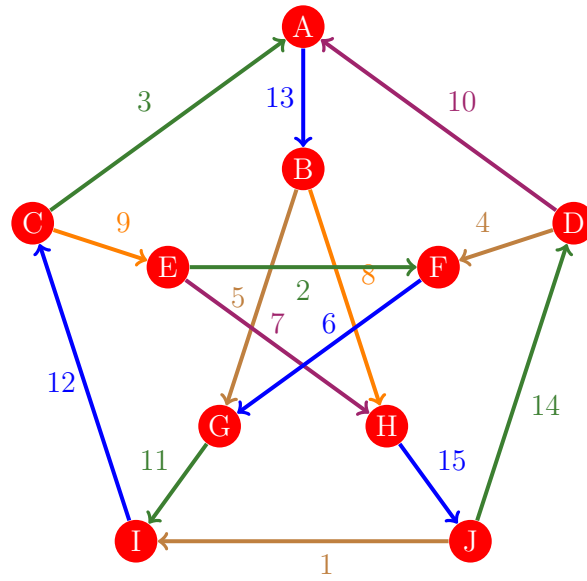


Figura 1013: Flujo 1005 de la gráfica de Petersen

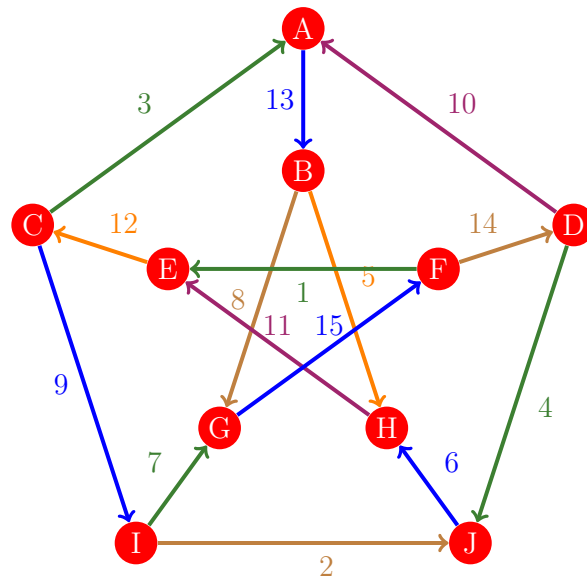


Figura 1014: Flujo 1006 de la gráfica de Petersen

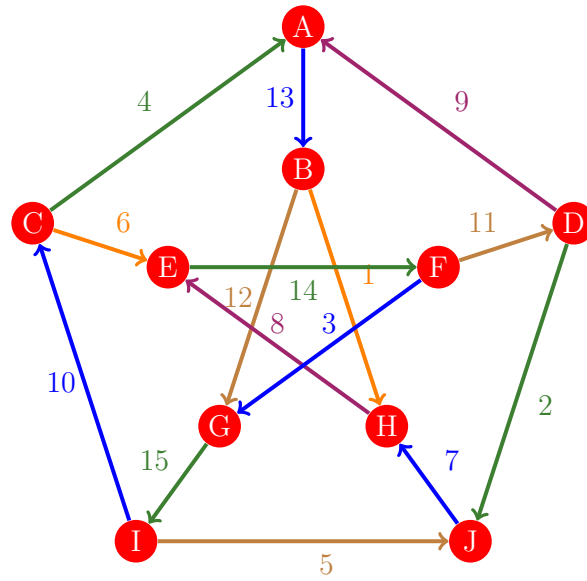


Figura 1015: Flujo 1007 de la gráfica de Petersen

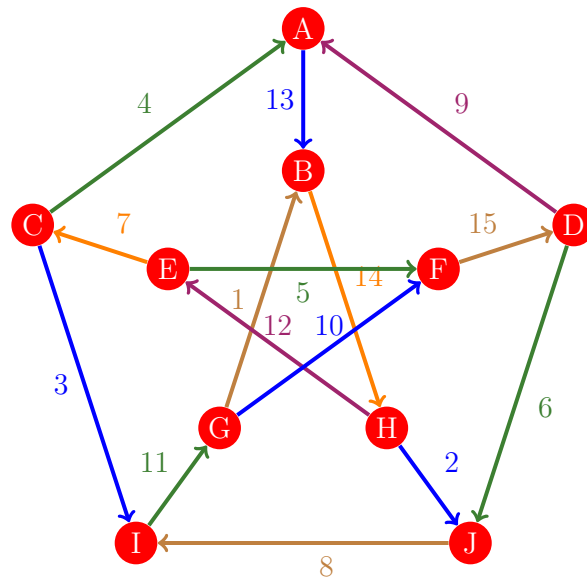


Figura 1016: Flujo 1008 de la gráfica de Petersen

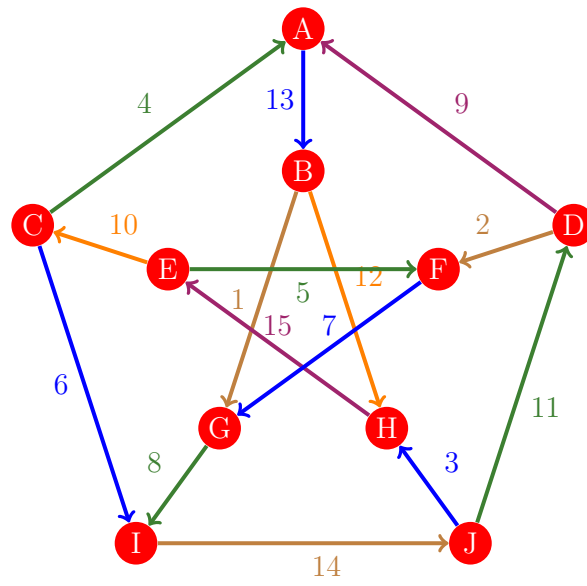


Figura 1017: Flujo 1009 de la gráfica de Petersen

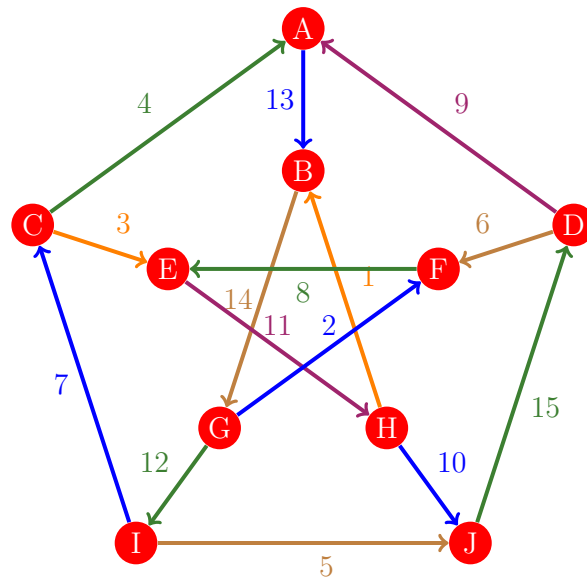


Figura 1018: Flujo 1010 de la gráfica de Petersen

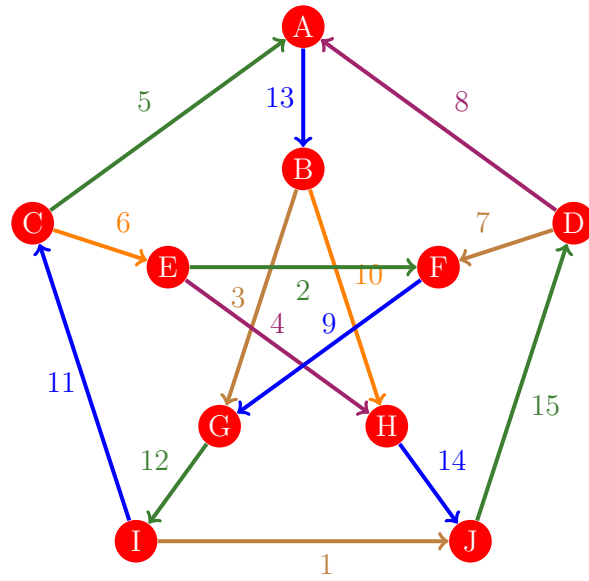


Figura 1019: Flujo 1011 de la gráfica de Petersen

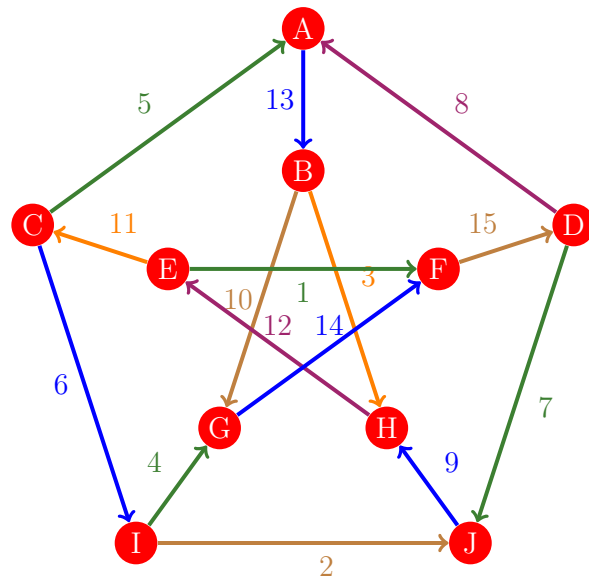


Figura 1020: Flujo 1012 de la gráfica de Petersen

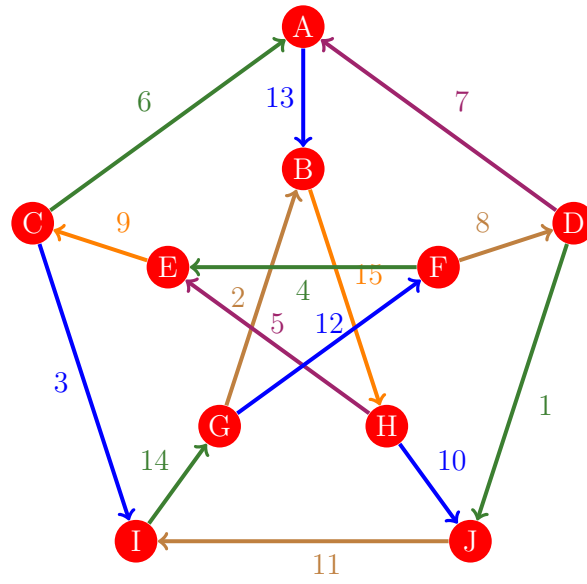


Figura 1021: Flujo 1013 de la gráfica de Petersen

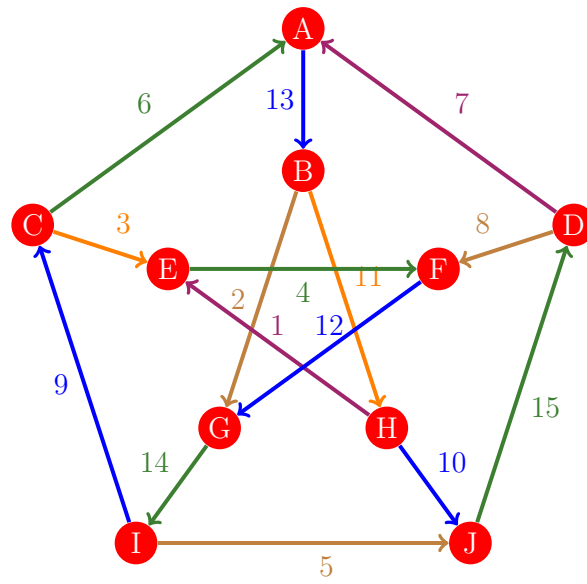


Figura 1022: Flujo 1014 de la gráfica de Petersen

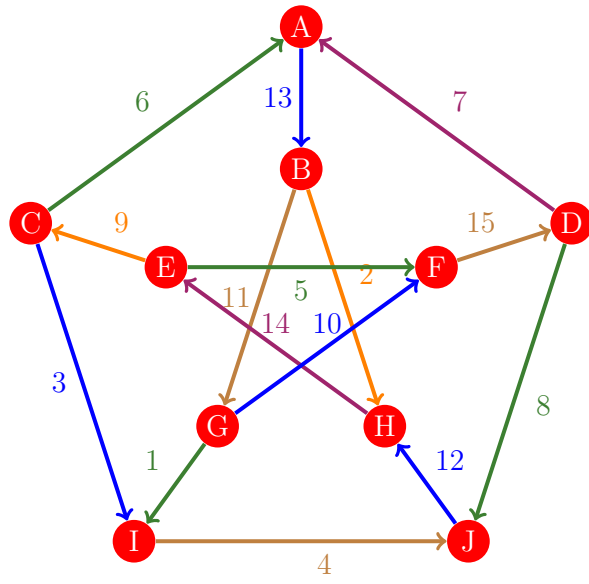


Figura 1023: Flujo 1015 de la gráfica de Petersen

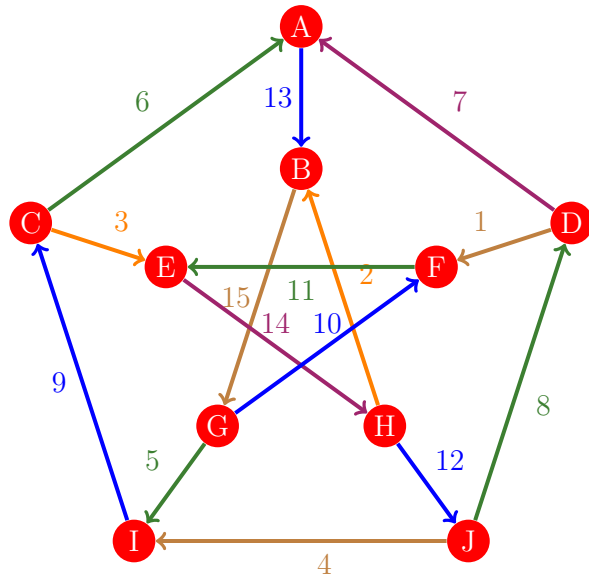


Figura 1024: Flujo 1016 de la gráfica de Petersen

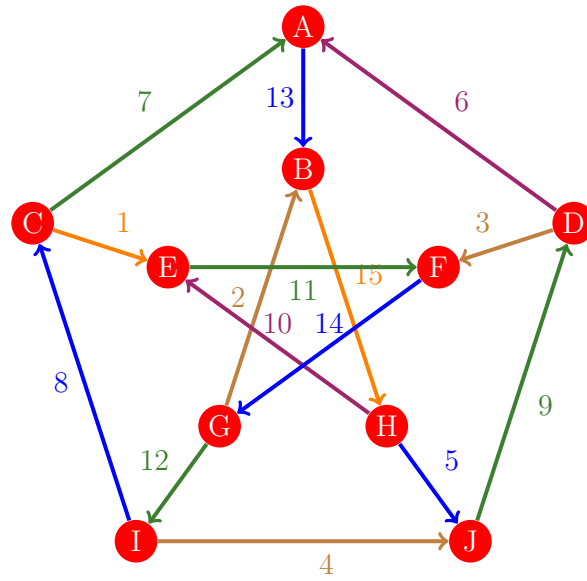


Figura 1025: Flujo 1017 de la gráfica de Petersen

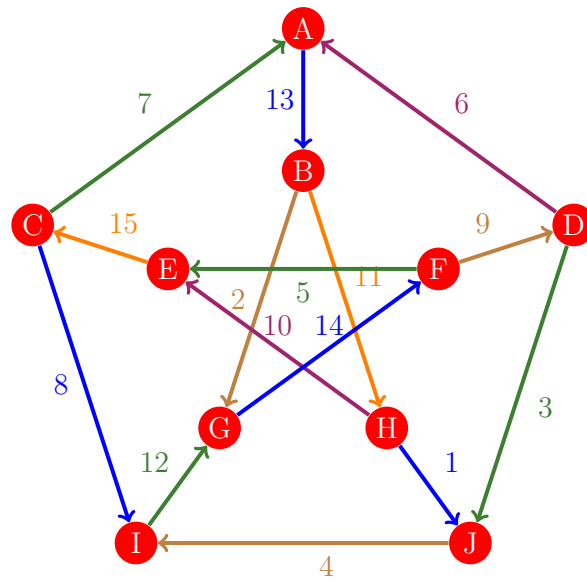


Figura 1026: Flujo 1018 de la gráfica de Petersen

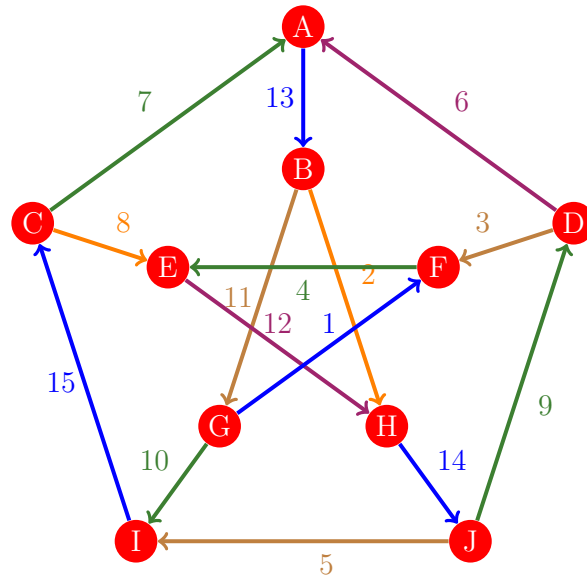


Figura 1027: Flujo 1019 de la gráfica de Petersen

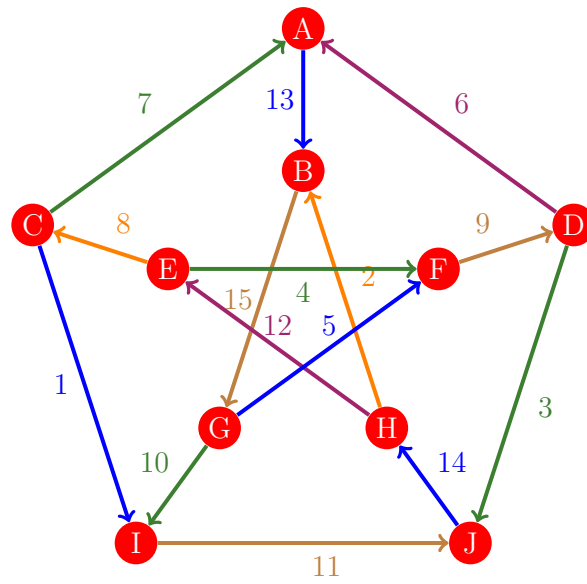


Figura 1028: Flujo 1020 de la gráfica de Petersen

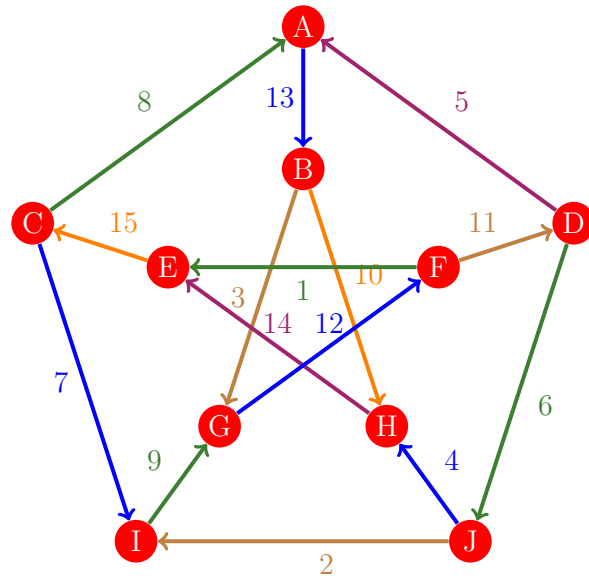


Figura 1029: Flujo 1021 de la gráfica de Petersen

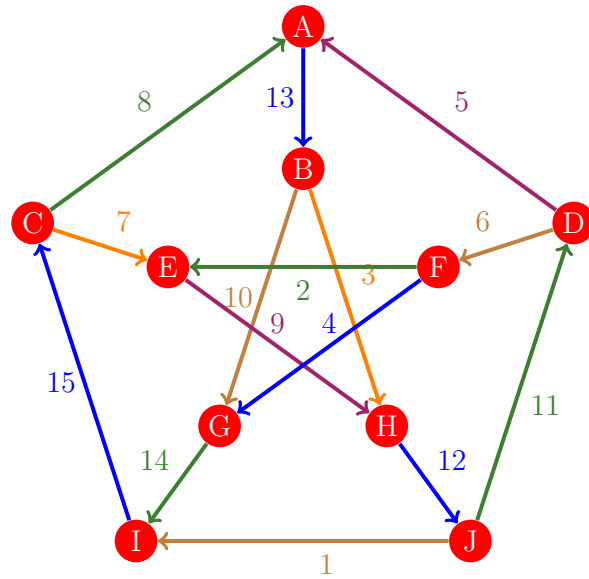


Figura 1030: Flujo 1022 de la gráfica de Petersen

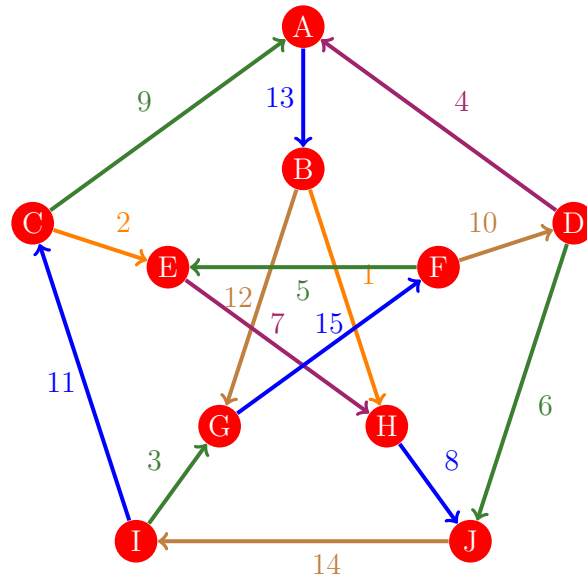


Figura 1031: Flujo 1023 de la gráfica de Petersen

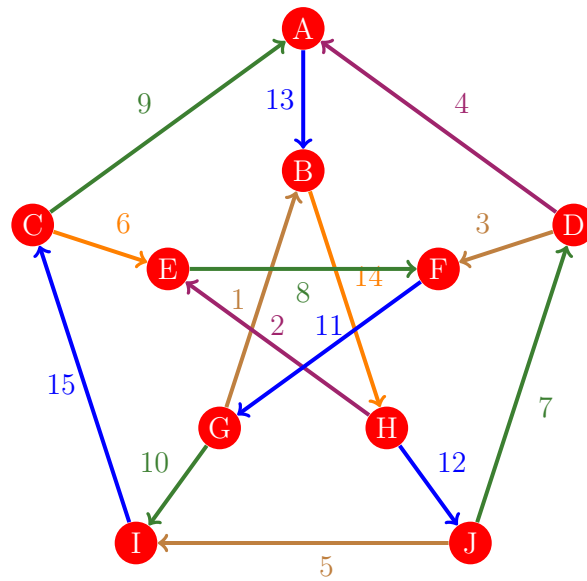


Figura 1032: Flujo 1024 de la gráfica de Petersen

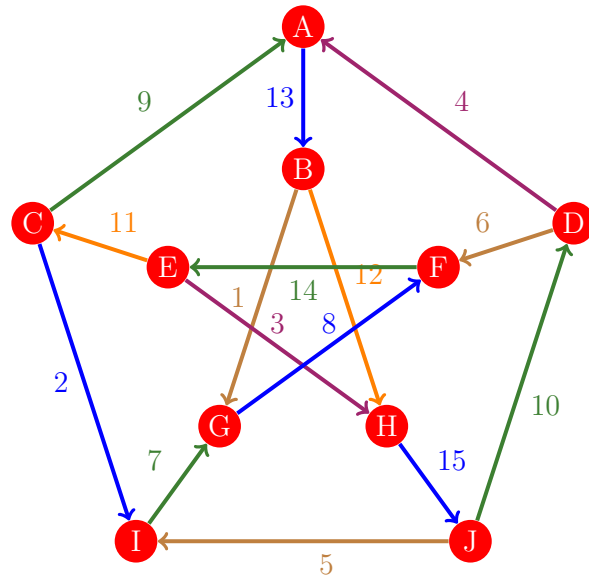


Figura 1033: Flujo 1025 de la gráfica de Petersen

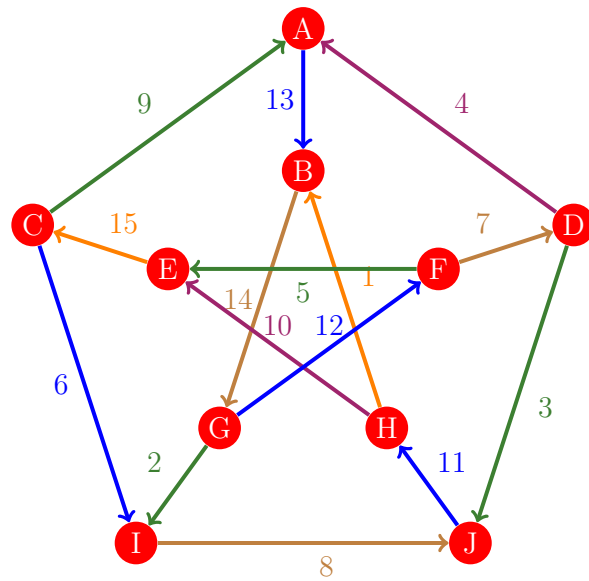


Figura 1034: Flujo 1026 de la gráfica de Petersen

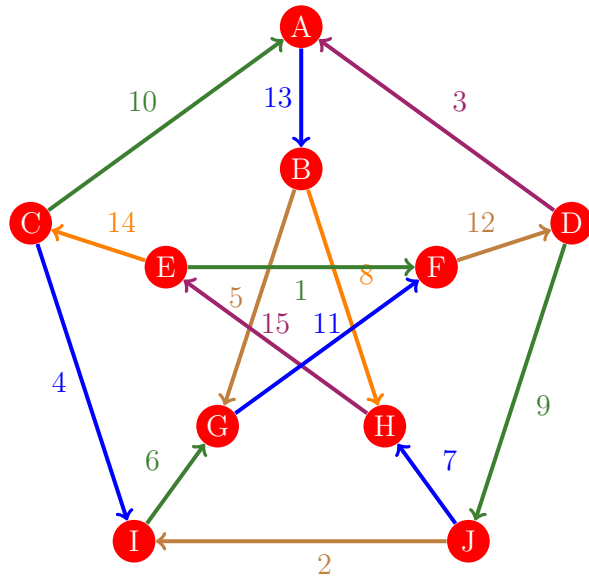


Figura 1035: Flujo 1027 de la gráfica de Petersen

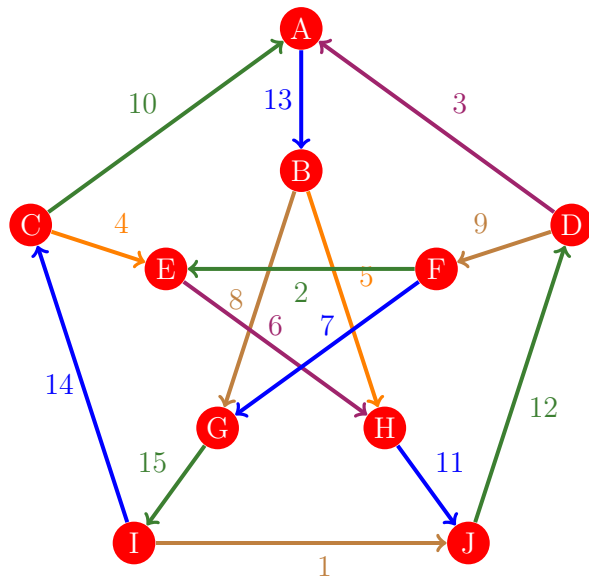


Figura 1036: Flujo 1028 de la gráfica de Petersen

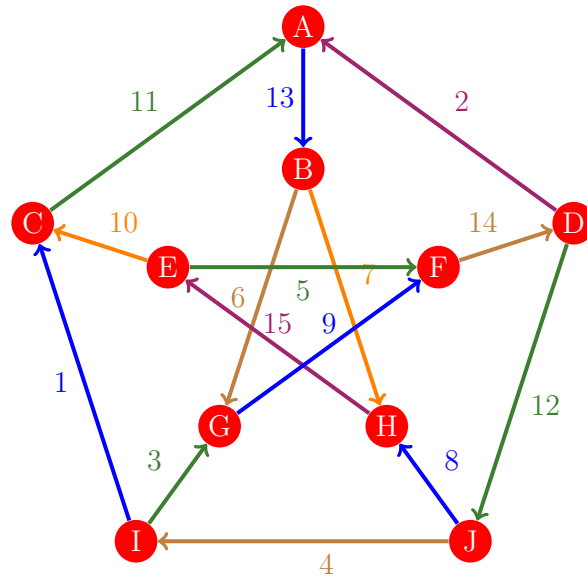


Figura 1037: Flujo 1029 de la gráfica de Petersen

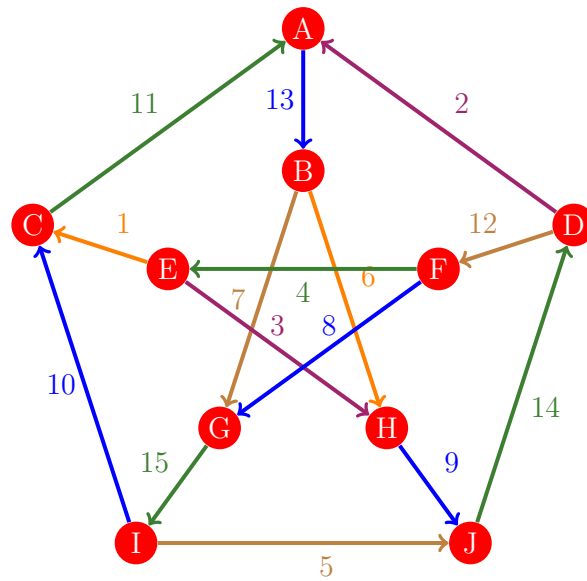


Figura 1038: Flujo 1030 de la gráfica de Petersen

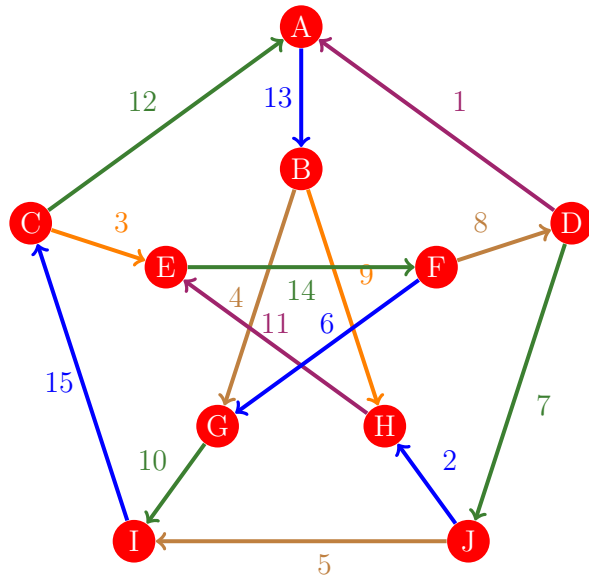


Figura 1039: Flujo 1031 de la gráfica de Petersen

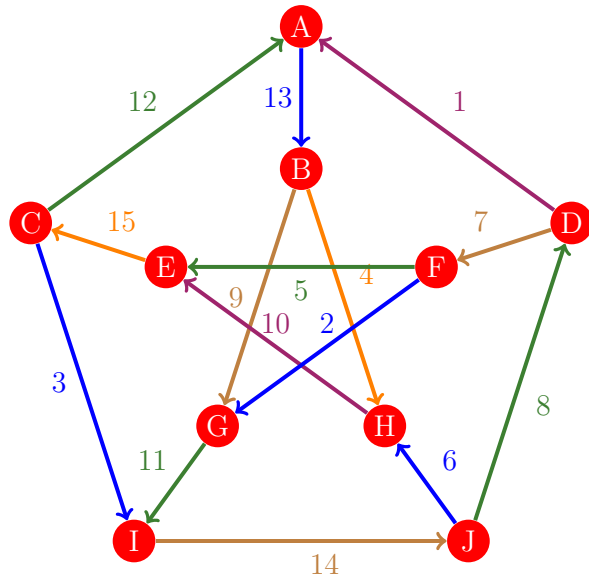


Figura 1040: Flujo 1032 de la gráfica de Petersen

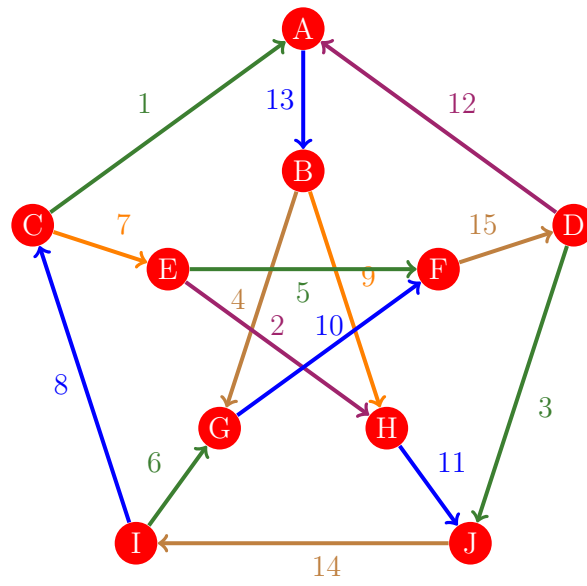


Figura 1041: Flujo 1033 de la gráfica de Petersen

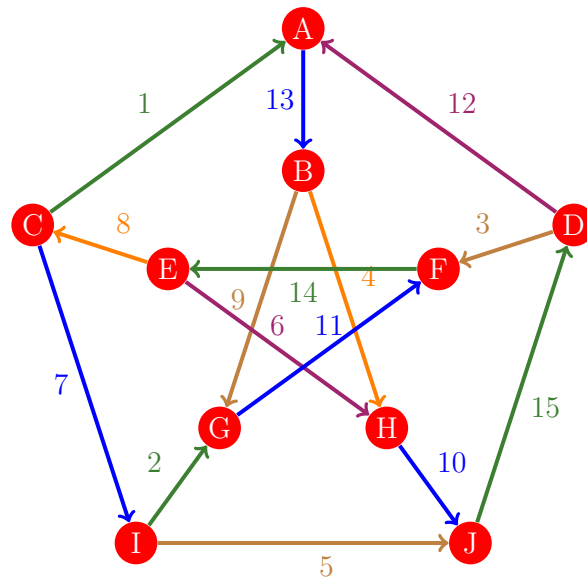


Figura 1042: Flujo 1034 de la gráfica de Petersen

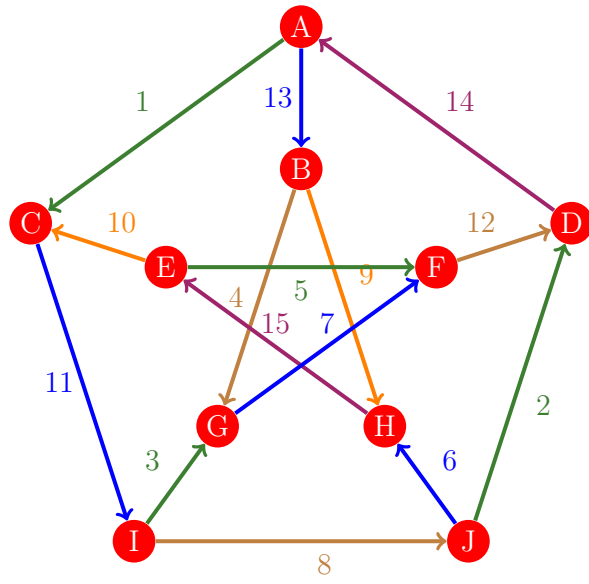


Figura 1043: Flujo 1035 de la gráfica de Petersen

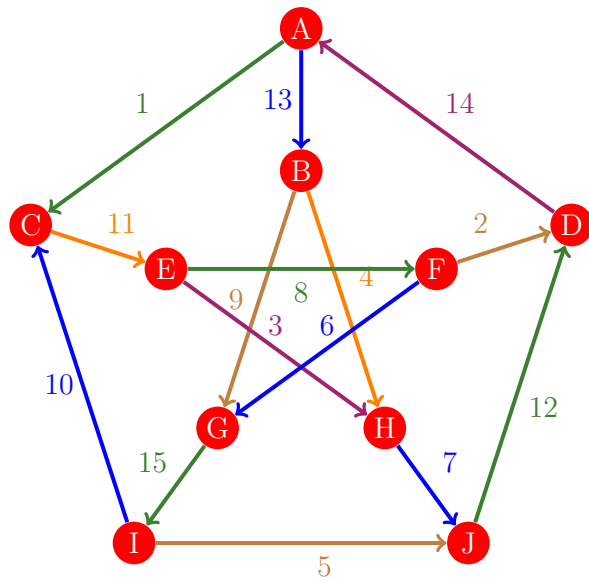


Figura 1044: Flujo 1036 de la gráfica de Petersen

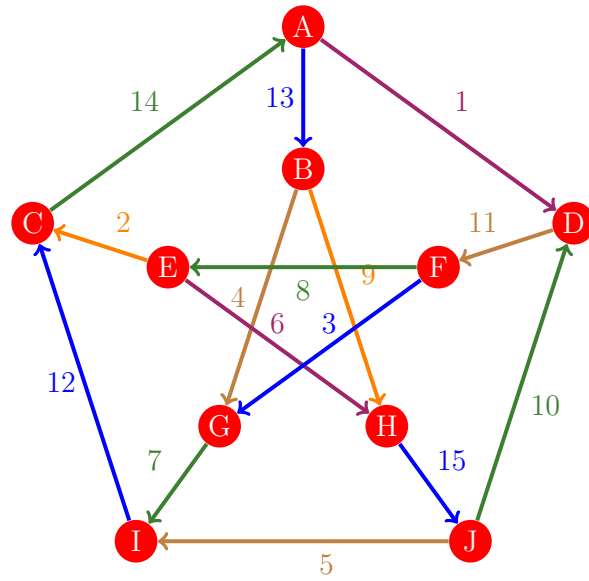


Figura 1045: Flujo 1037 de la gráfica de Petersen

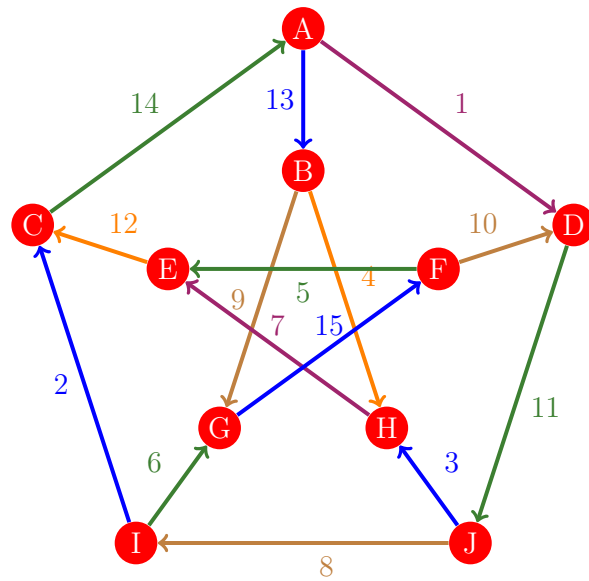


Figura 1046: Flujo 1038 de la gráfica de Petersen

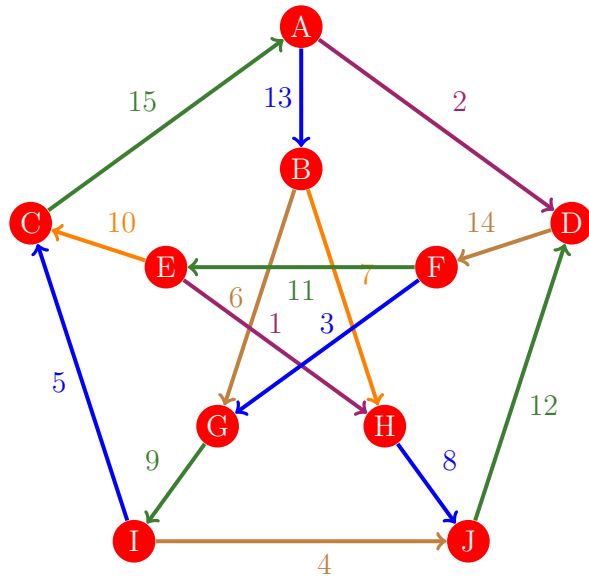


Figura 1047: Flujo 1039 de la gráfica de Petersen

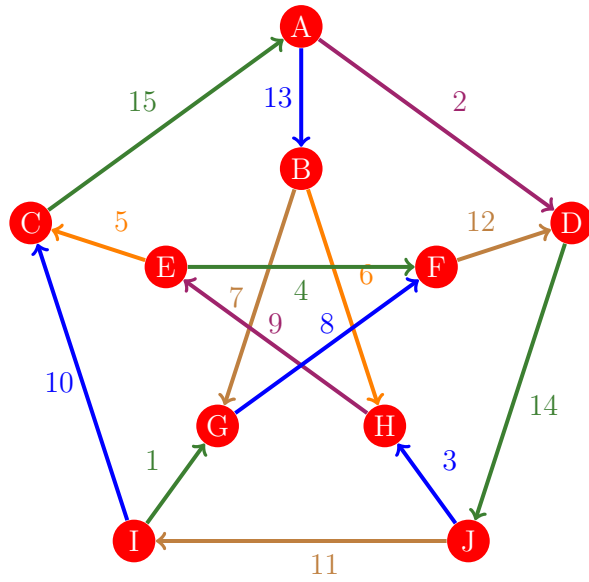


Figura 1048: Flujo 1040 de la gráfica de Petersen

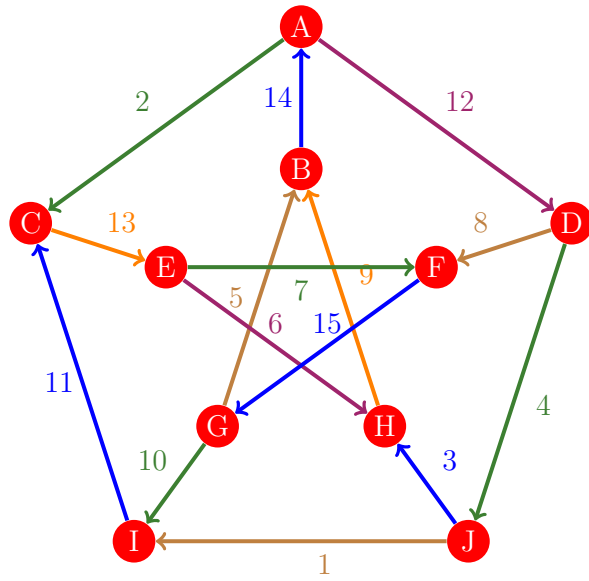


Figura 1049: Flujo 1041 de la gráfica de Petersen

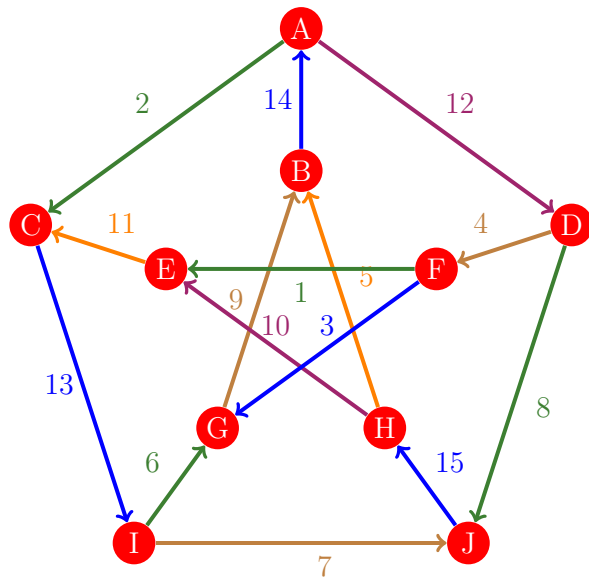


Figura 1050: Flujo 1042 de la gráfica de Petersen

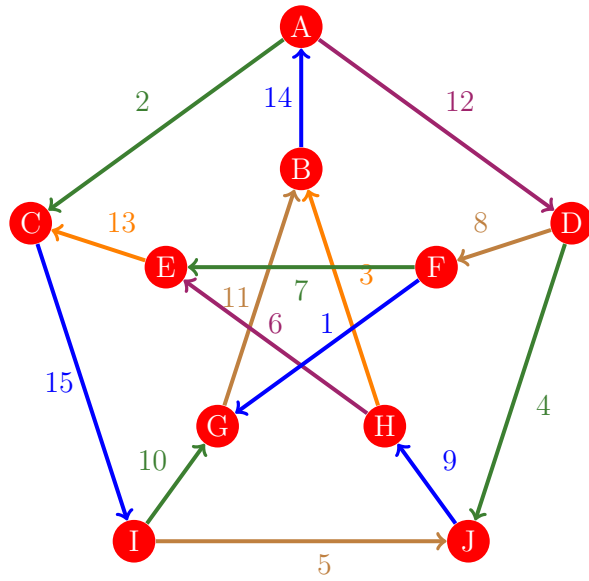


Figura 1051: Flujo 1043 de la gráfica de Petersen

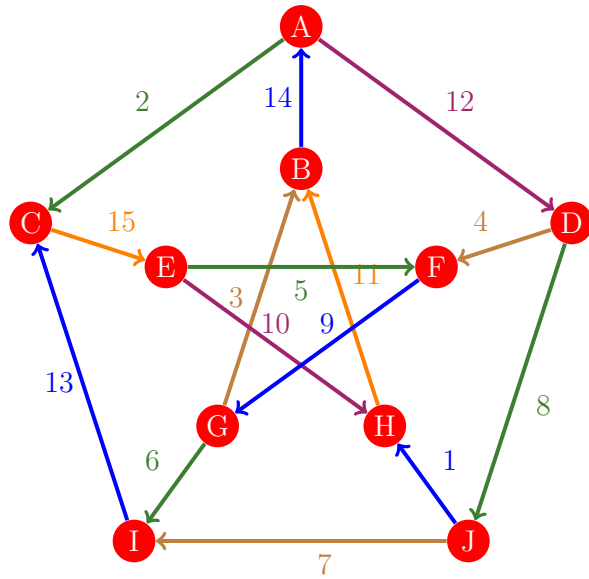


Figura 1052: Flujo 1044 de la gráfica de Petersen

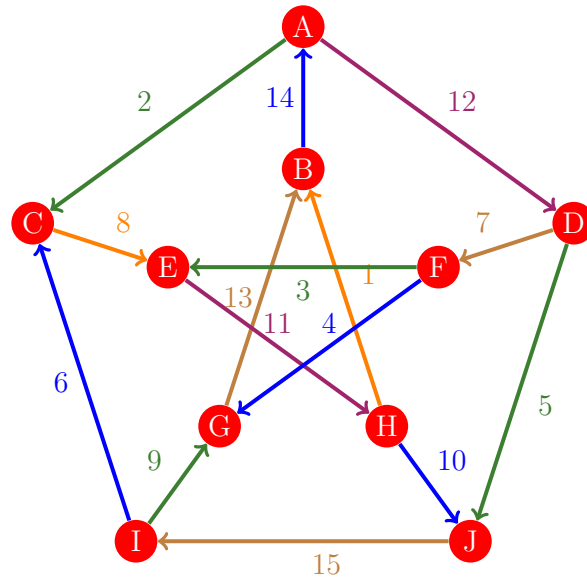


Figura 1053: Flujo 1045 de la gráfica de Petersen

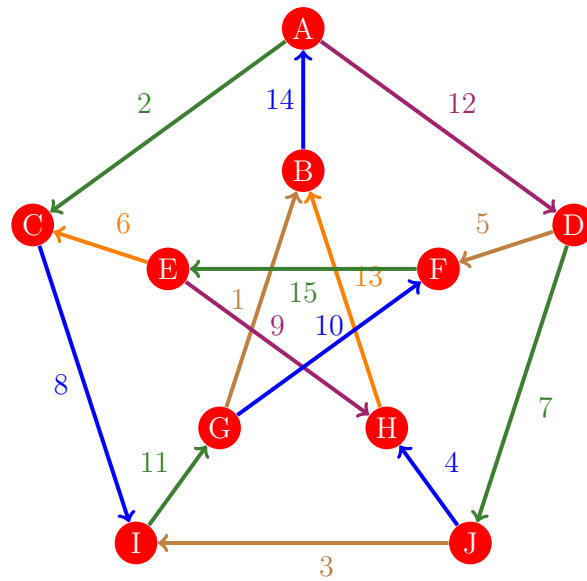


Figura 1054: Flujo 1046 de la gráfica de Petersen

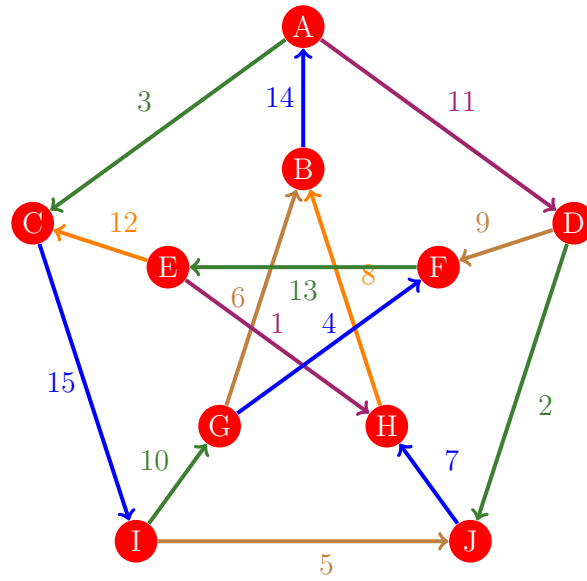


Figura 1055: Flujo 1047 de la gráfica de Petersen

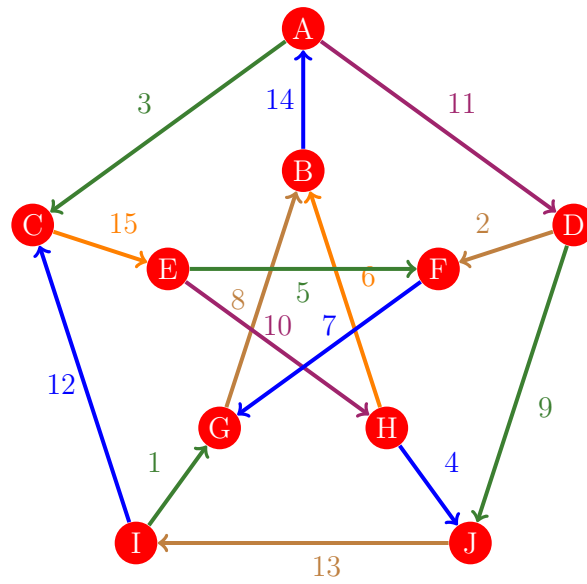


Figura 1056: Flujo 1048 de la gráfica de Petersen

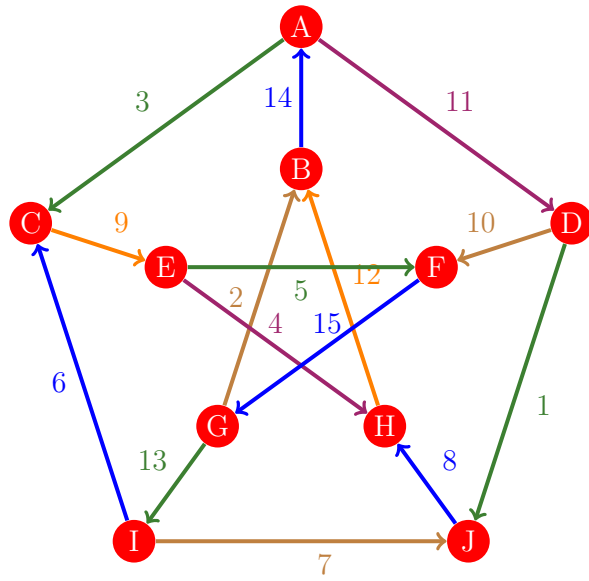


Figura 1057: Flujo 1049 de la gráfica de Petersen

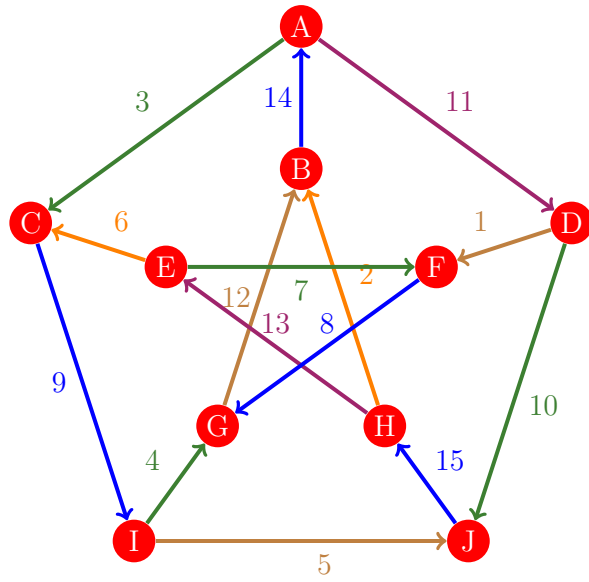


Figura 1058: Flujo 1050 de la gráfica de Petersen

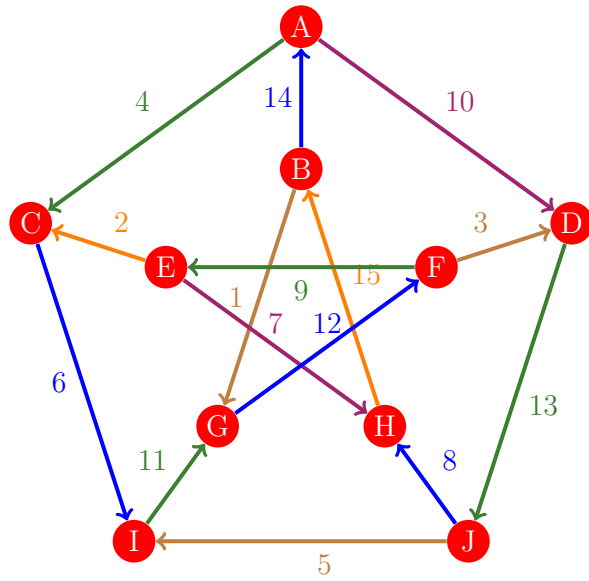


Figura 1059: Flujo 1051 de la gráfica de Petersen

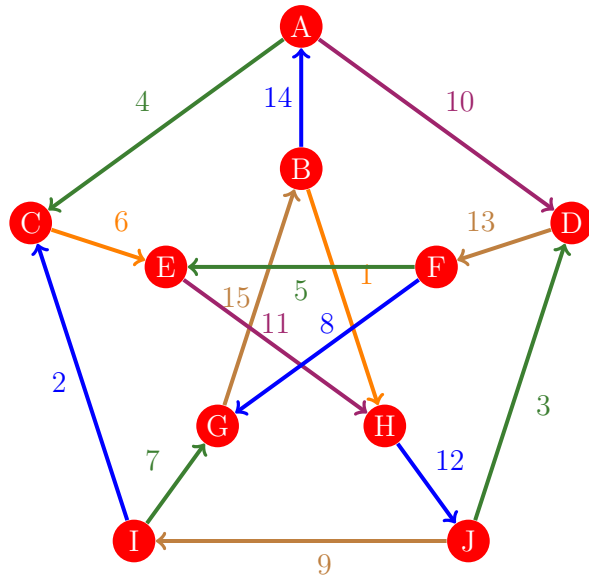


Figura 1060: Flujo 1052 de la gráfica de Petersen

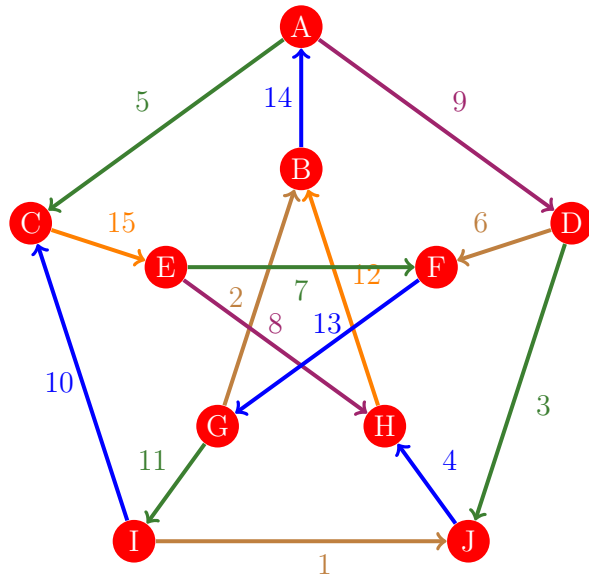


Figura 1061: Flujo 1053 de la gráfica de Petersen

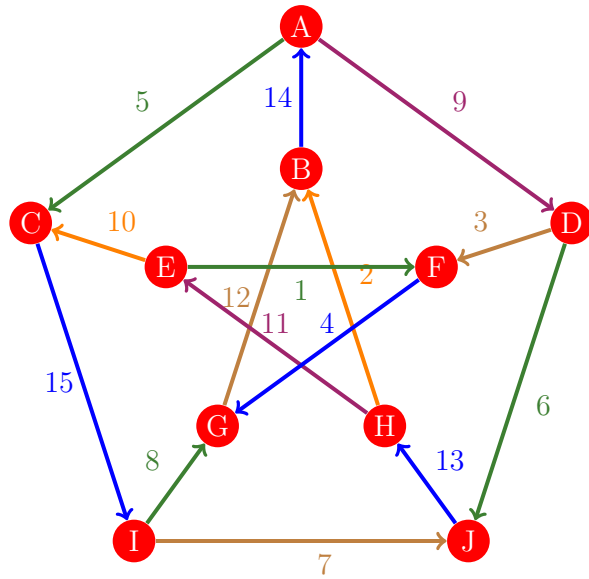


Figura 1062: Flujo 1054 de la gráfica de Petersen

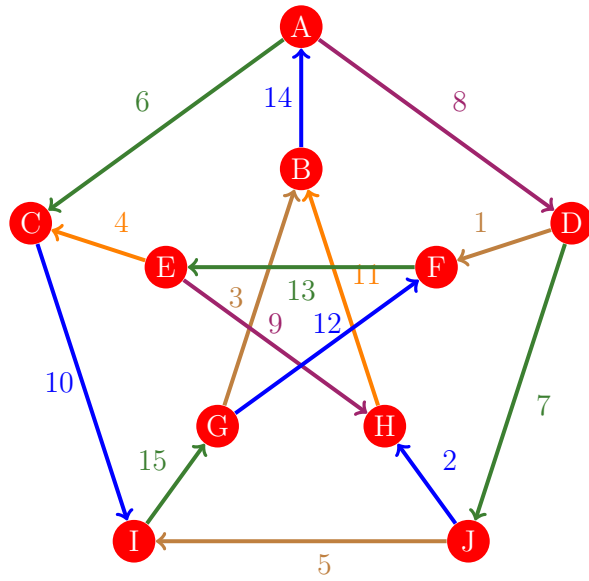


Figura 1063: Flujo 1055 de la gráfica de Petersen

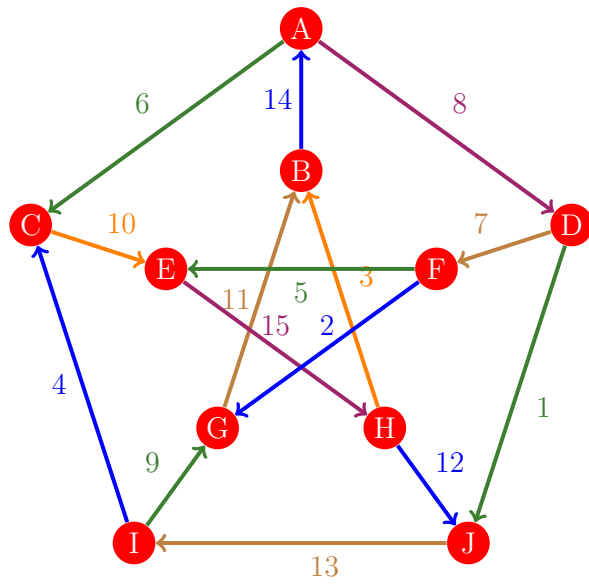


Figura 1064: Flujo 1056 de la gráfica de Petersen

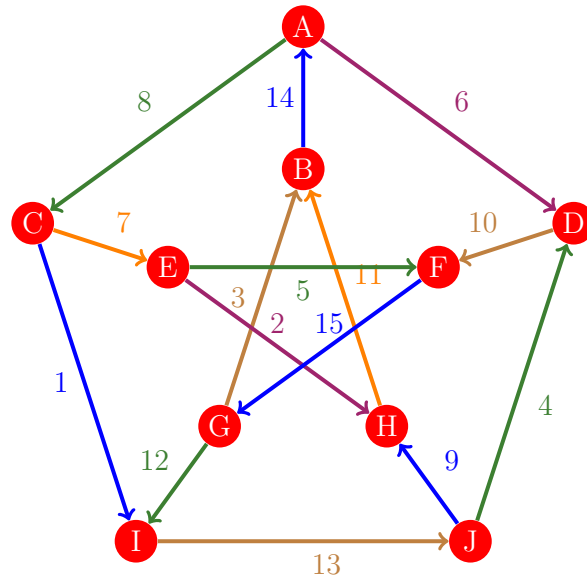


Figura 1065: Flujo 1057 de la gráfica de Petersen

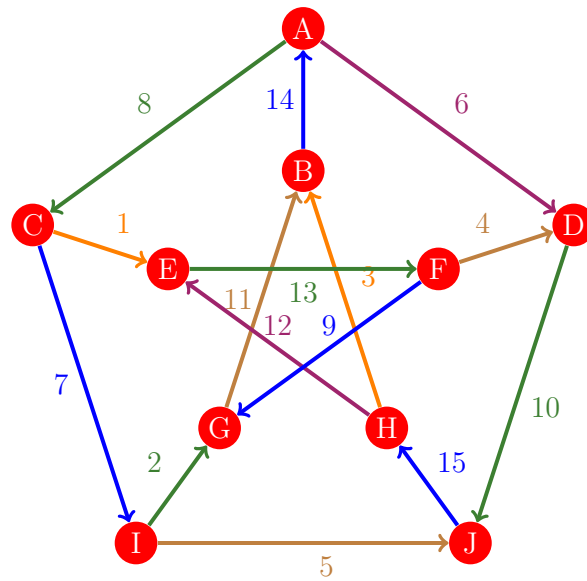


Figura 1066: Flujo 1058 de la gráfica de Petersen

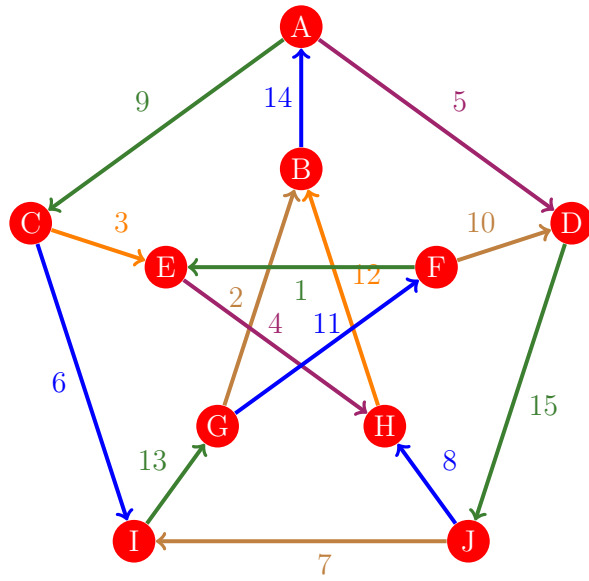


Figura 1067: Flujo 1059 de la gráfica de Petersen

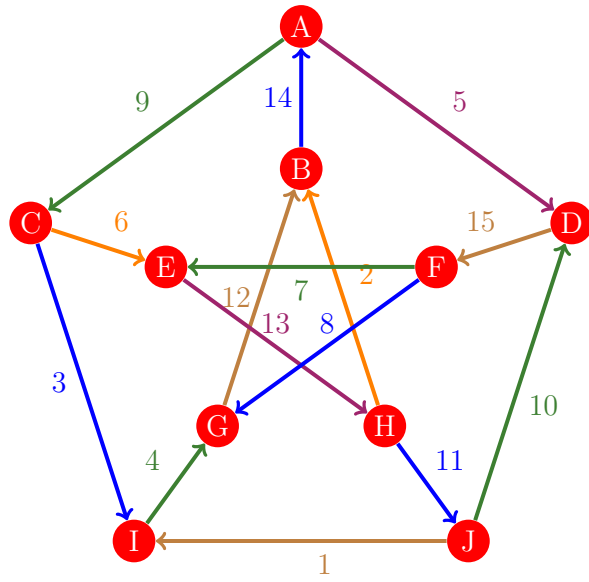


Figura 1068: Flujo 1060 de la gráfica de Petersen

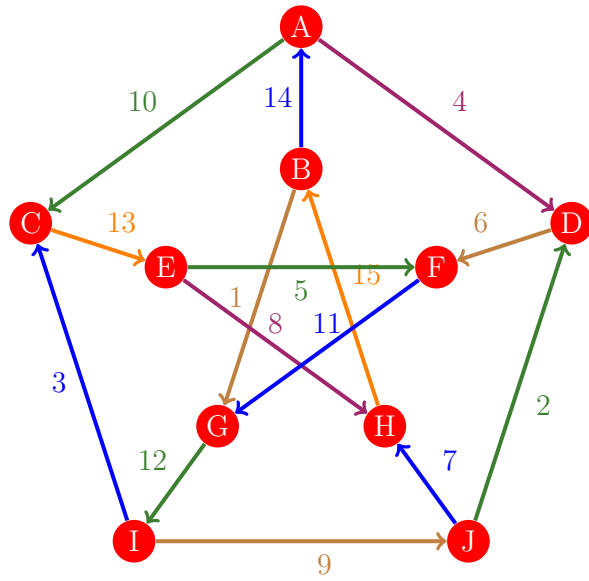


Figura 1069: Flujo 1061 de la gráfica de Petersen

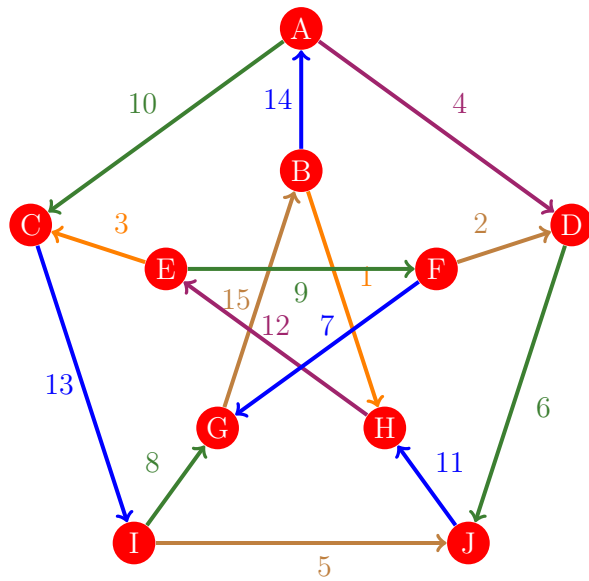


Figura 1070: Flujo 1062 de la gráfica de Petersen

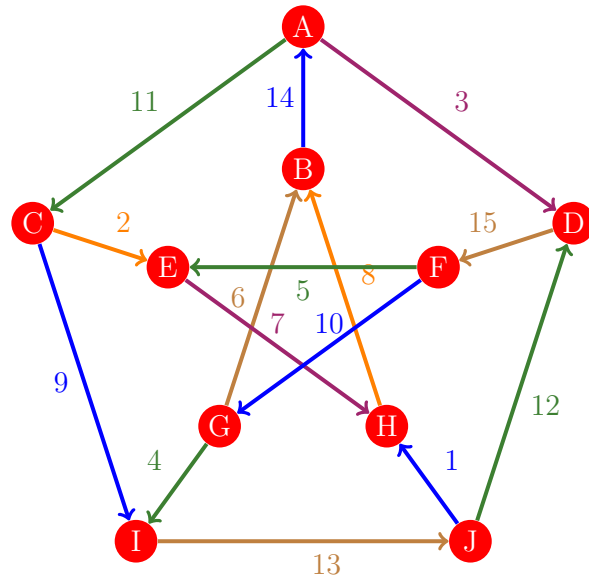


Figura 1071: Flujo 1063 de la gráfica de Petersen

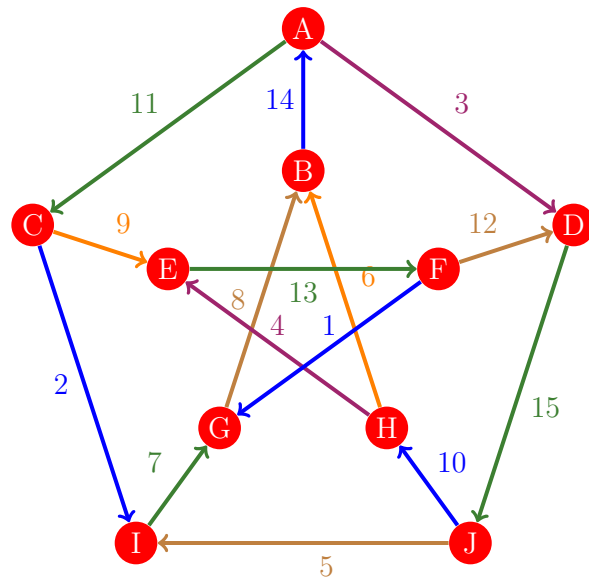


Figura 1072: Flujo 1064 de la gráfica de Petersen

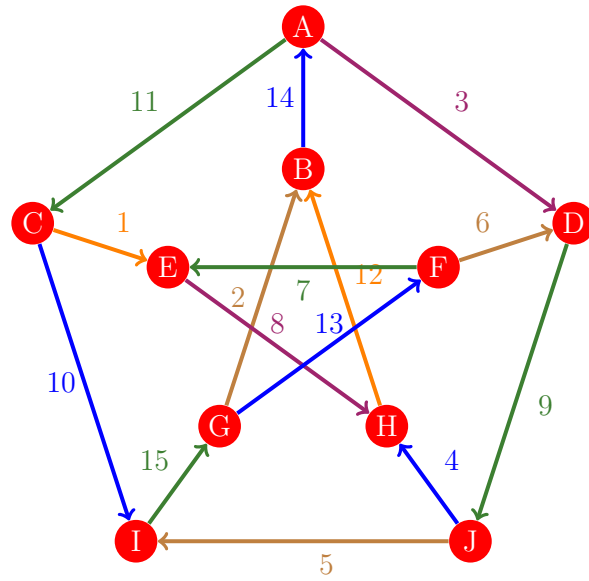


Figura 1073: Flujo 1065 de la gráfica de Petersen

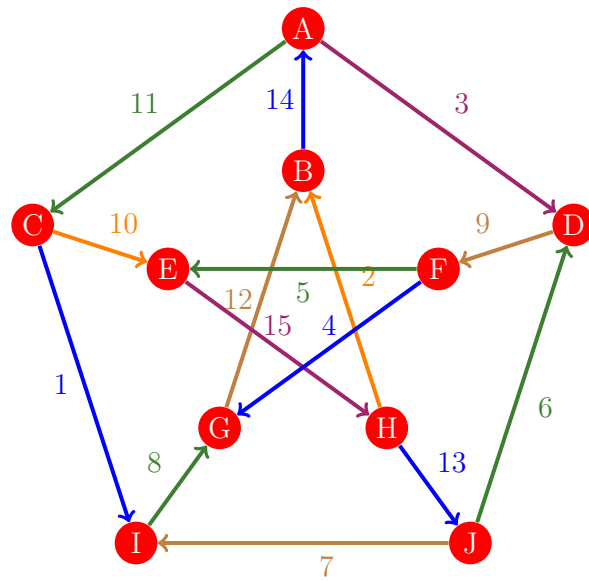


Figura 1074: Flujo 1066 de la gráfica de Petersen

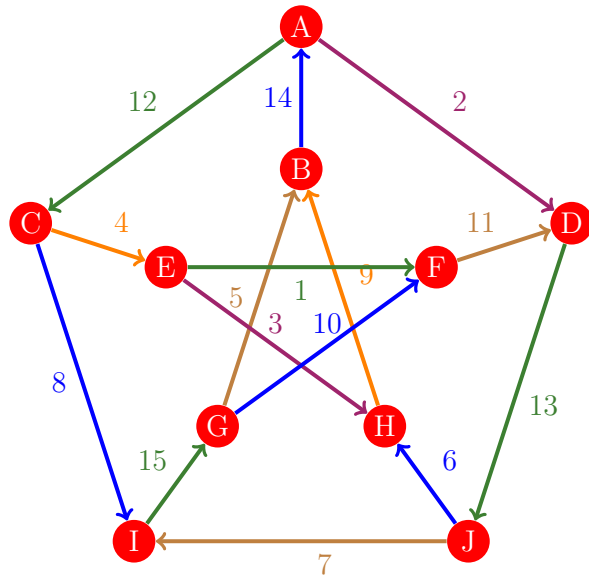


Figura 1075: Flujo 1067 de la gráfica de Petersen

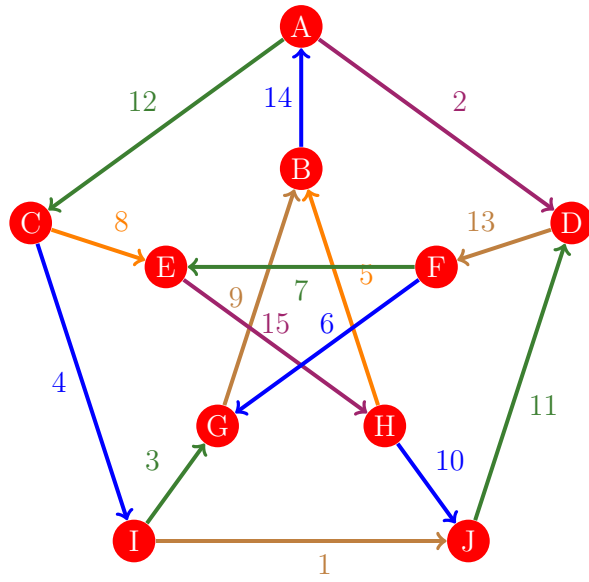


Figura 1076: Flujo 1068 de la gráfica de Petersen

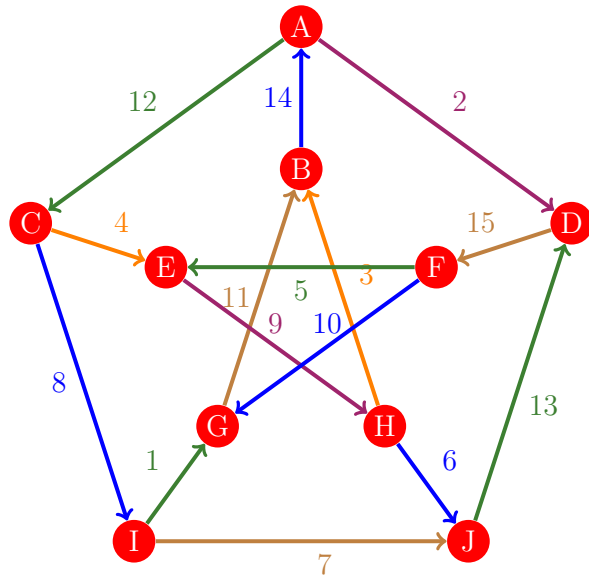


Figura 1077: Flujo 1069 de la gráfica de Petersen

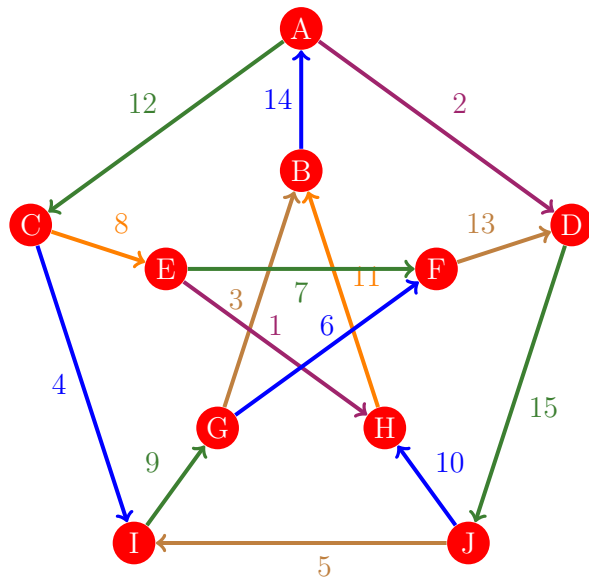


Figura 1078: Flujo 1070 de la gráfica de Petersen

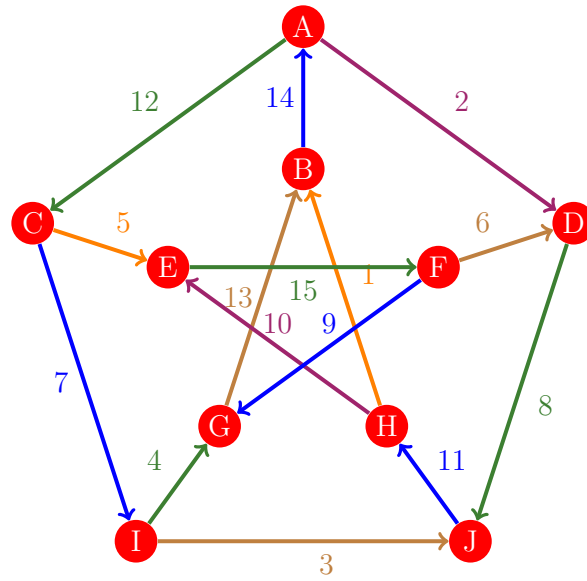


Figura 1079: Flujo 1071 de la gráfica de Petersen

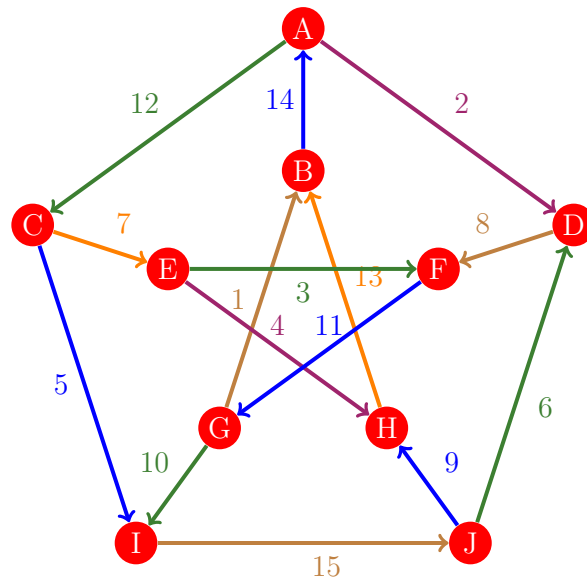


Figura 1080: Flujo 1072 de la gráfica de Petersen

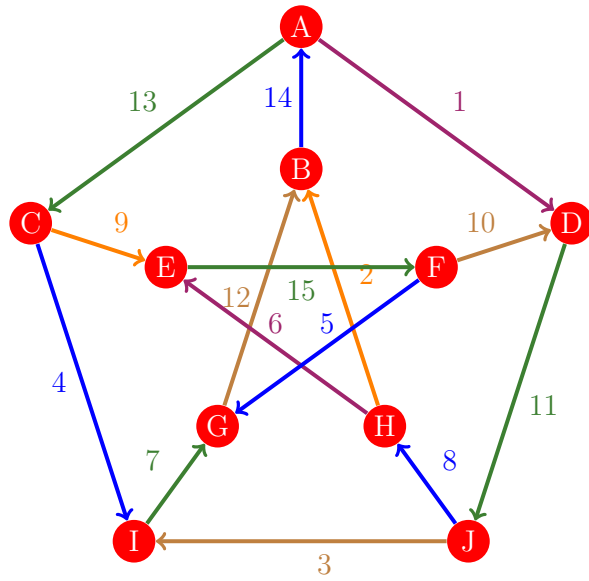


Figura 1081: Flujo 1073 de la gráfica de Petersen

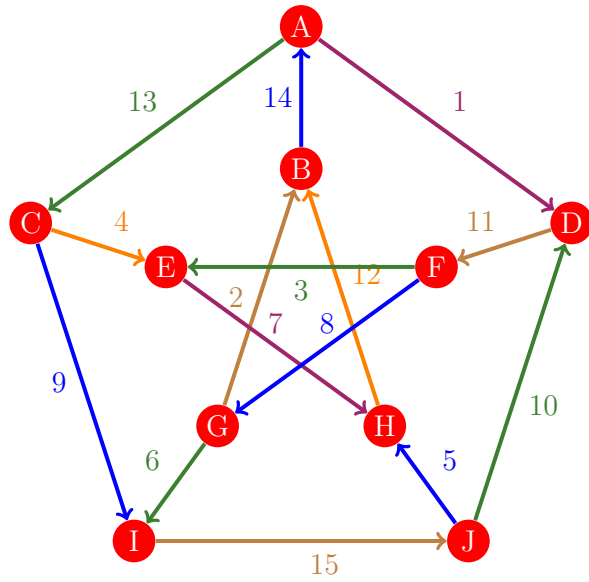


Figura 1082: Flujo 1074 de la gráfica de Petersen

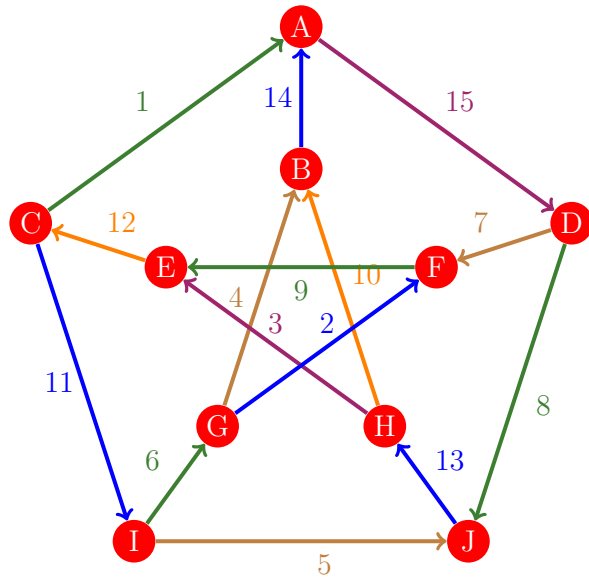


Figura 1083: Flujo 1075 de la gráfica de Petersen

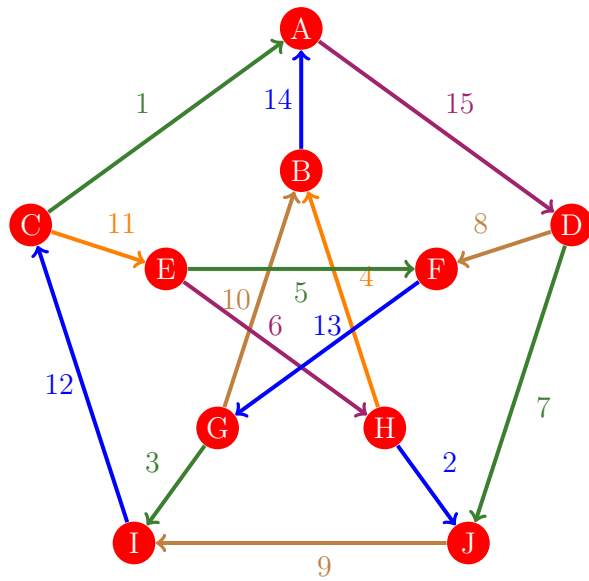


Figura 1084: Flujo 1076 de la gráfica de Petersen

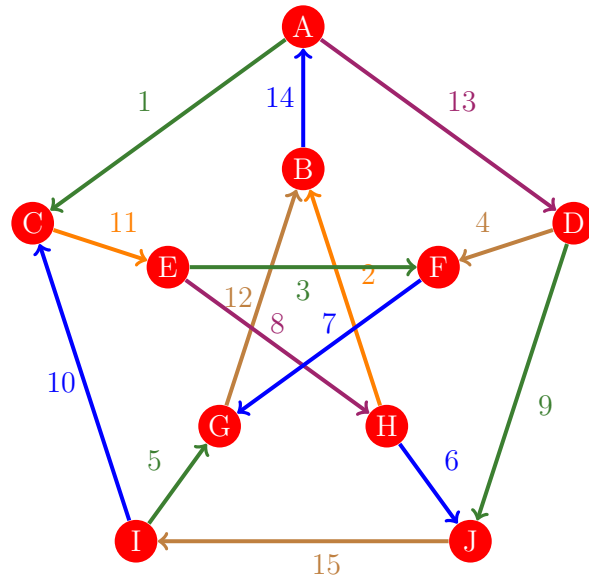


Figura 1085: Flujo 1077 de la gráfica de Petersen

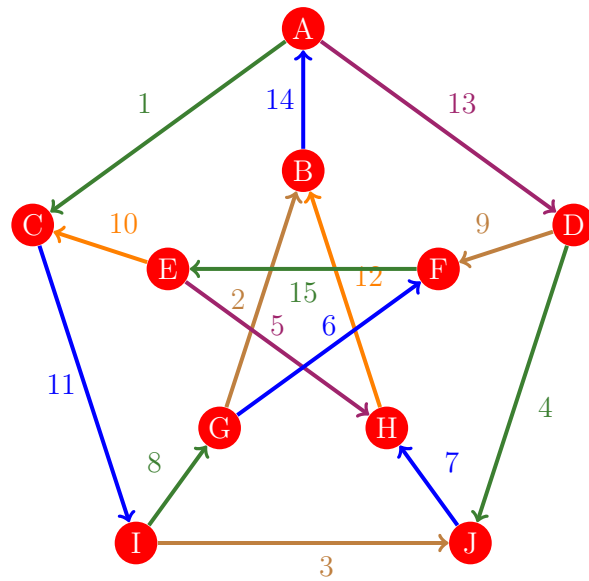


Figura 1086: Flujo 1078 de la gráfica de Petersen

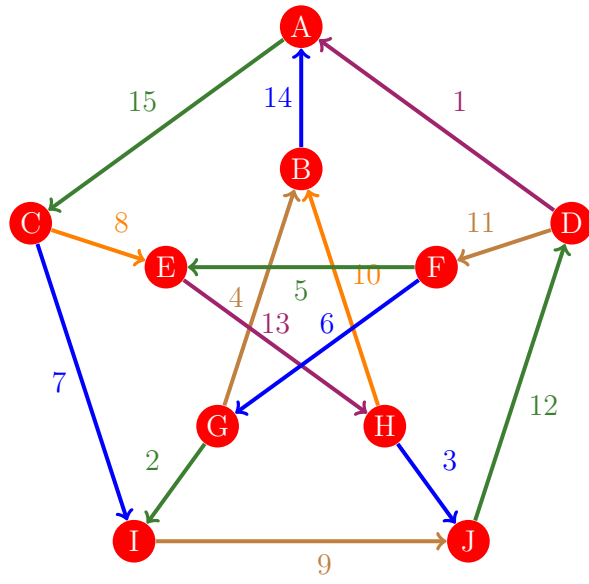


Figura 1087: Flujo 1079 de la gráfica de Petersen

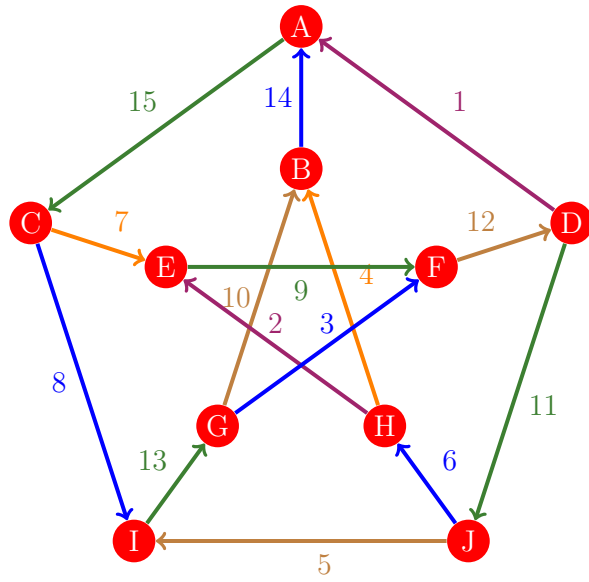


Figura 1088: Flujo 1080 de la gráfica de Petersen

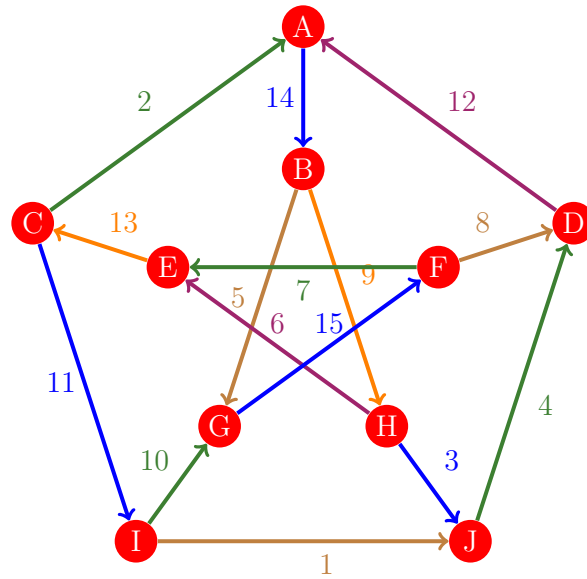


Figura 1089: Flujo 1081 de la gráfica de Petersen

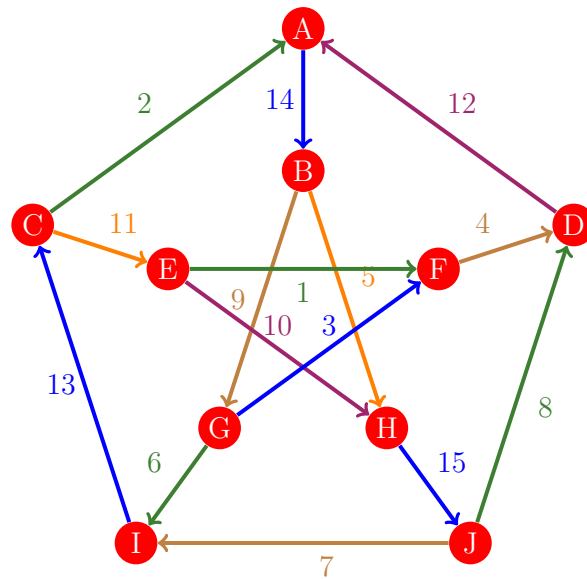


Figura 1090: Flujo 1082 de la gráfica de Petersen

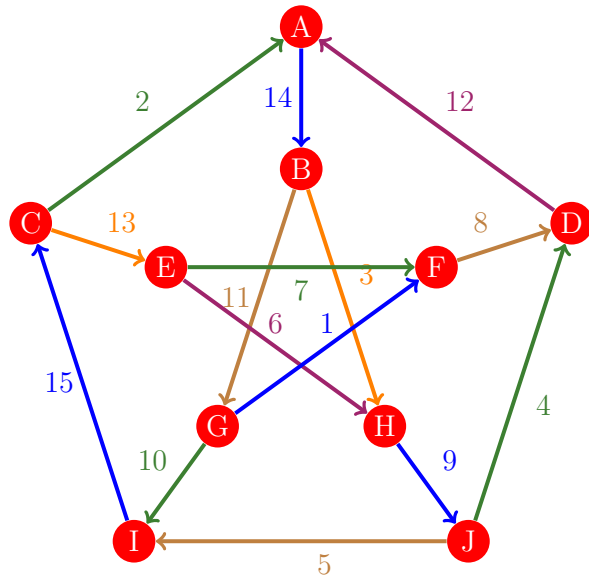


Figura 1091: Flujo 1083 de la gráfica de Petersen

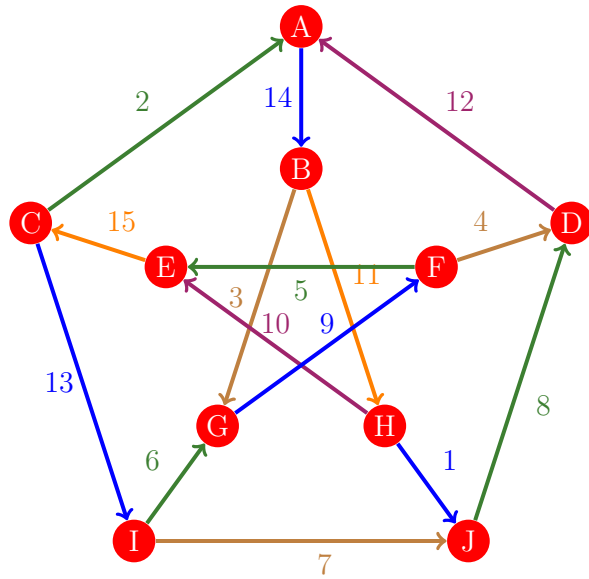


Figura 1092: Flujo 1084 de la gráfica de Petersen

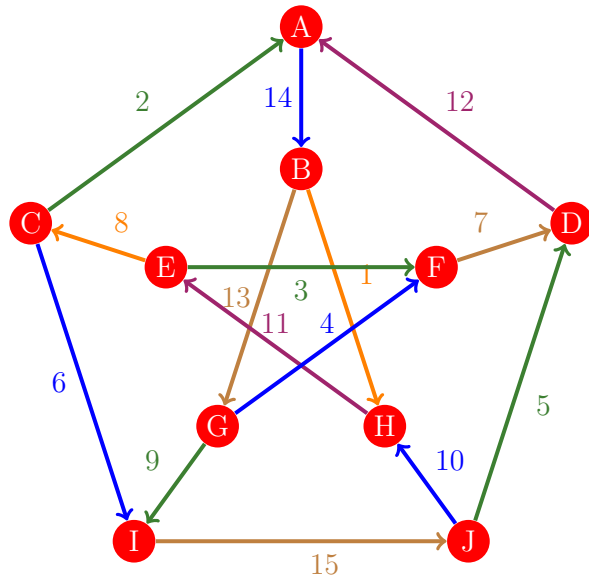


Figura 1093: Flujo 1085 de la gráfica de Petersen

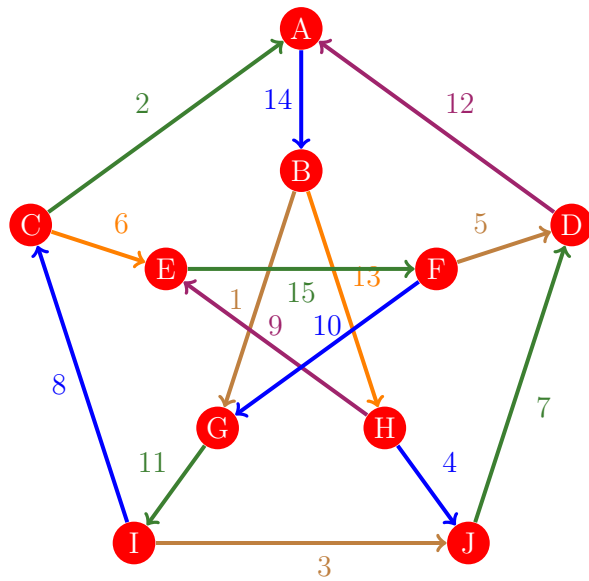


Figura 1094: Flujo 1086 de la gráfica de Petersen

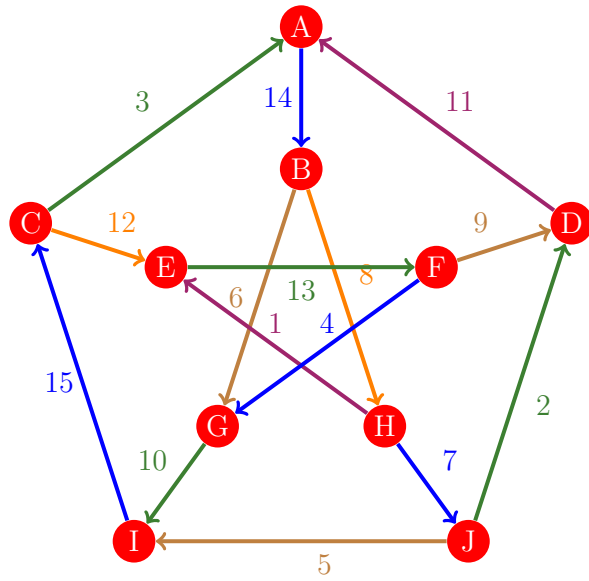


Figura 1095: Flujo 1087 de la gráfica de Petersen

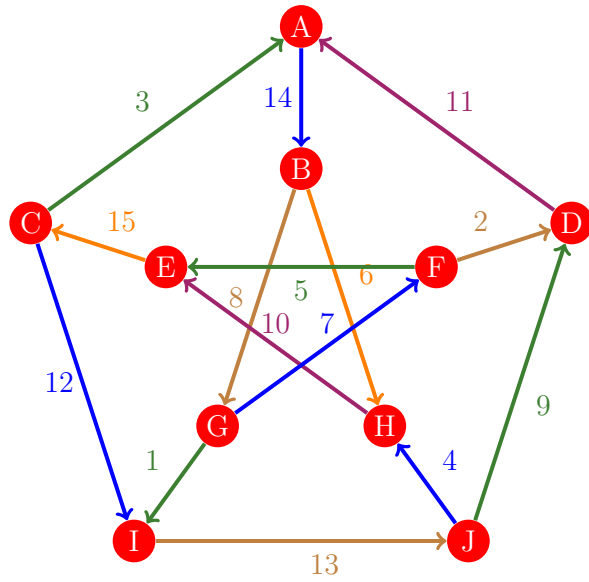


Figura 1096: Flujo 1088 de la gráfica de Petersen

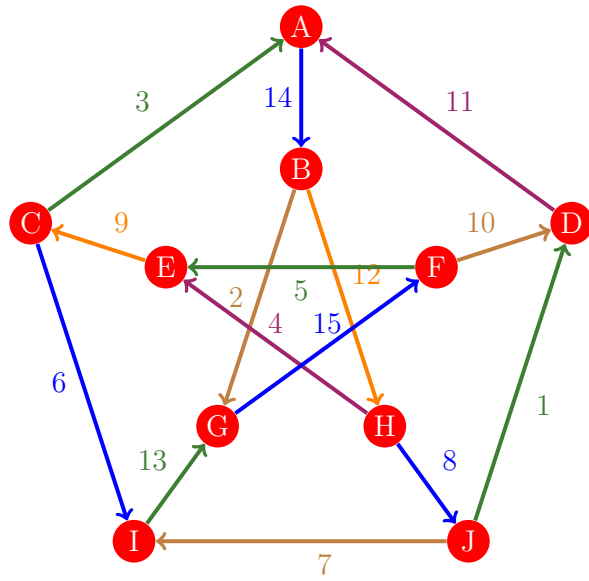


Figura 1097: Flujo 1089 de la gráfica de Petersen

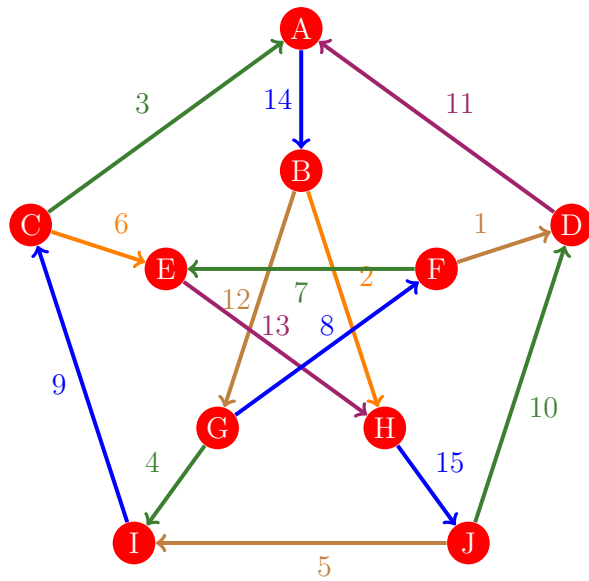


Figura 1098: Flujo 1090 de la gráfica de Petersen

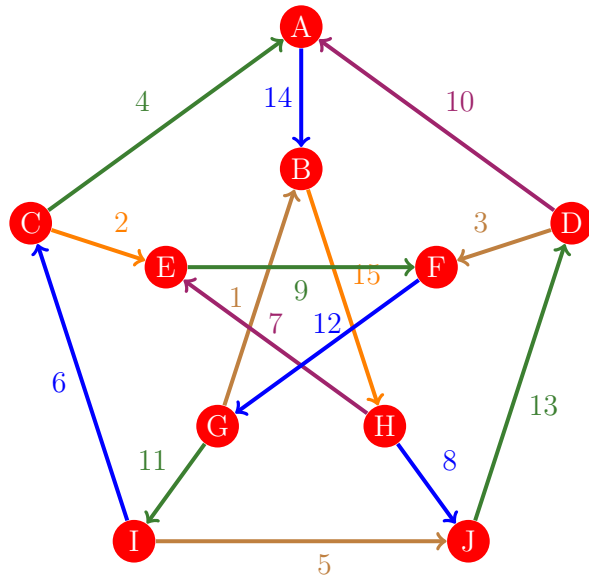


Figura 1099: Flujo 1091 de la gráfica de Petersen

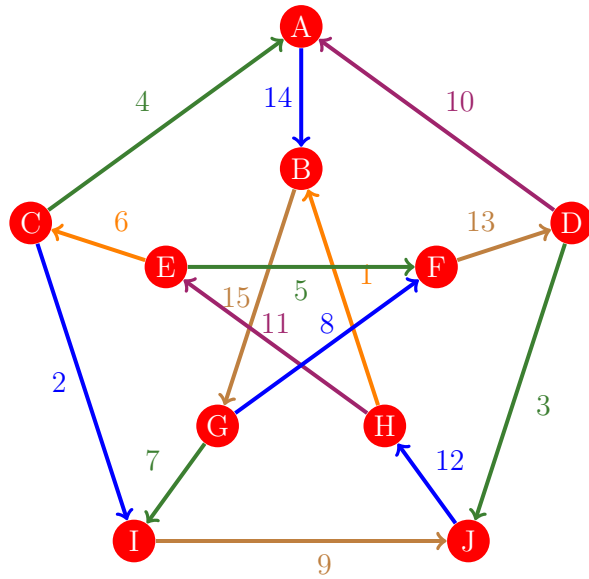


Figura 1100: Flujo 1092 de la gráfica de Petersen

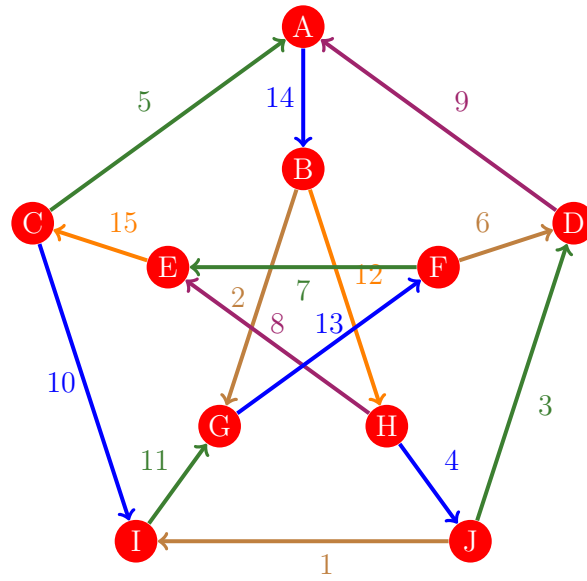


Figura 1101: Flujo 1093 de la gráfica de Petersen

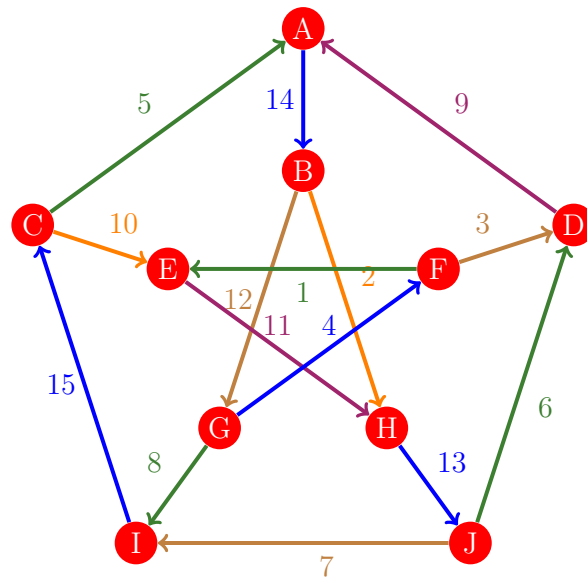


Figura 1102: Flujo 1094 de la gráfica de Petersen

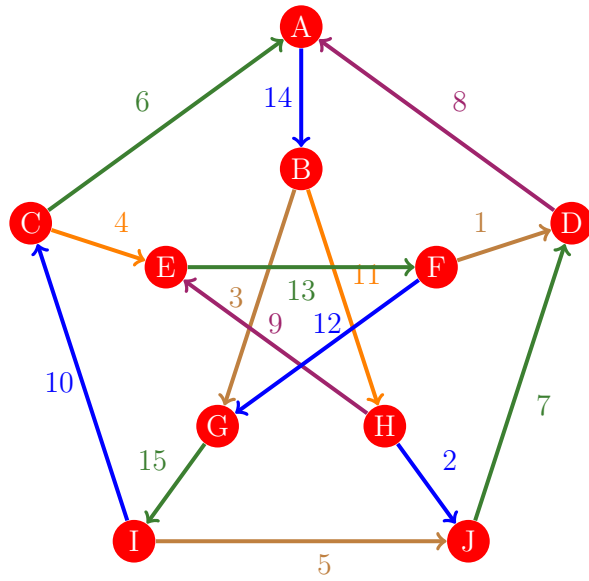


Figura 1103: Flujo 1095 de la gráfica de Petersen

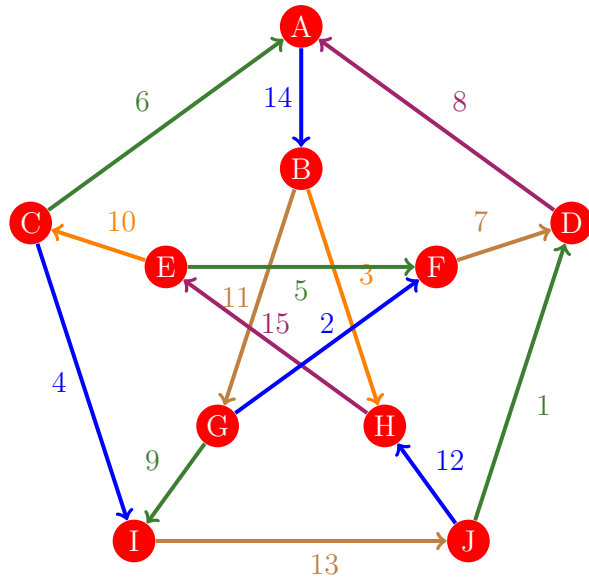


Figura 1104: Flujo 1096 de la gráfica de Petersen

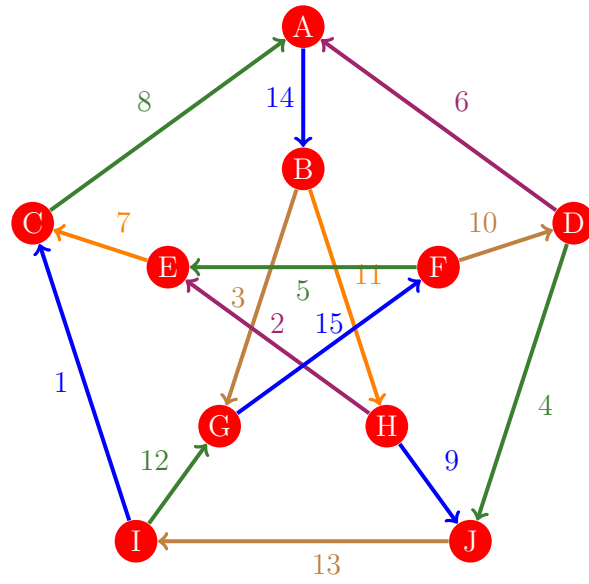


Figura 1105: Flujo 1097 de la gráfica de Petersen

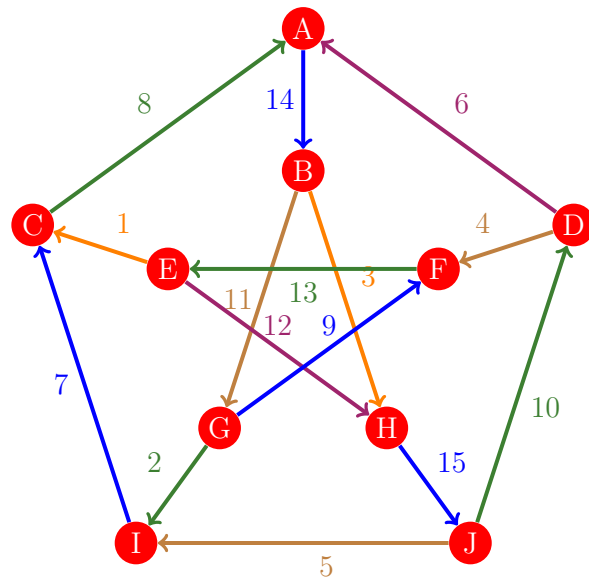


Figura 1106: Flujo 1098 de la gráfica de Petersen

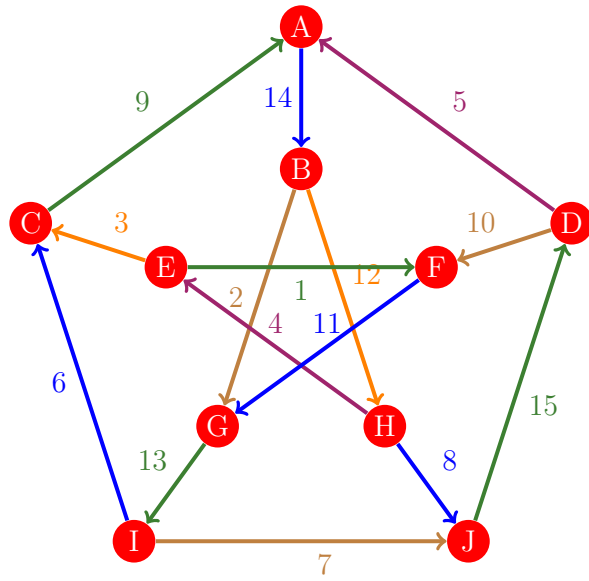


Figura 1107: Flujo 1099 de la gráfica de Petersen

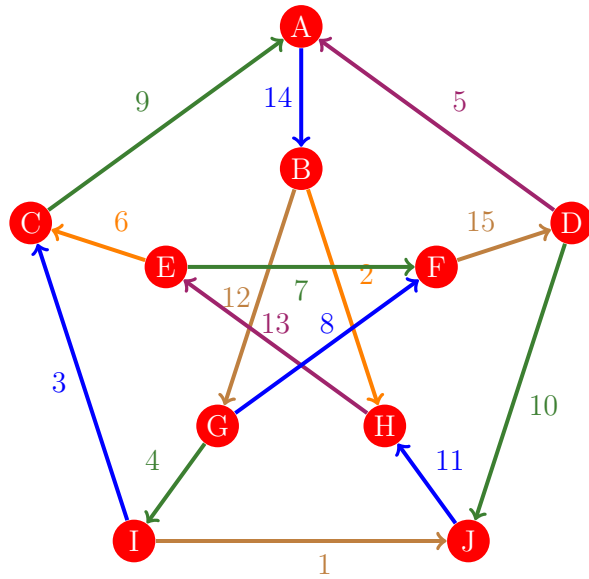


Figura 1108: Flujo 1100 de la gráfica de Petersen

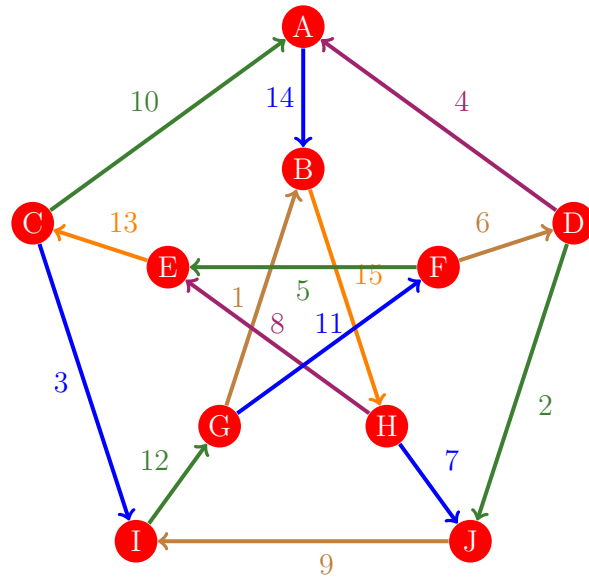


Figura 1109: Flujo 1101 de la gráfica de Petersen

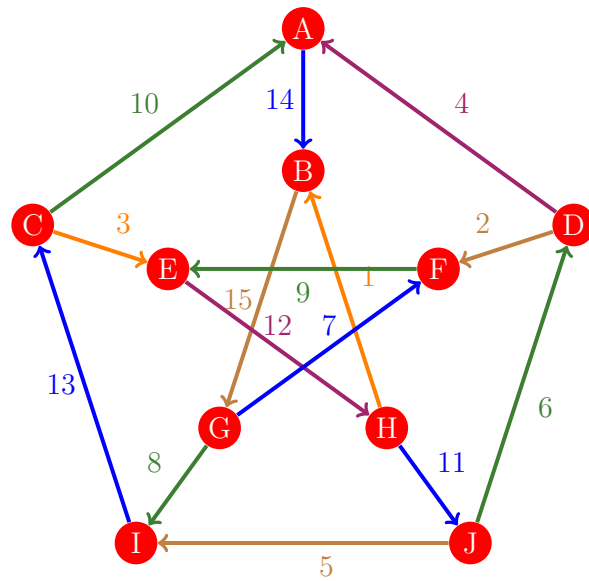


Figura 1110: Flujo 1102 de la gráfica de Petersen

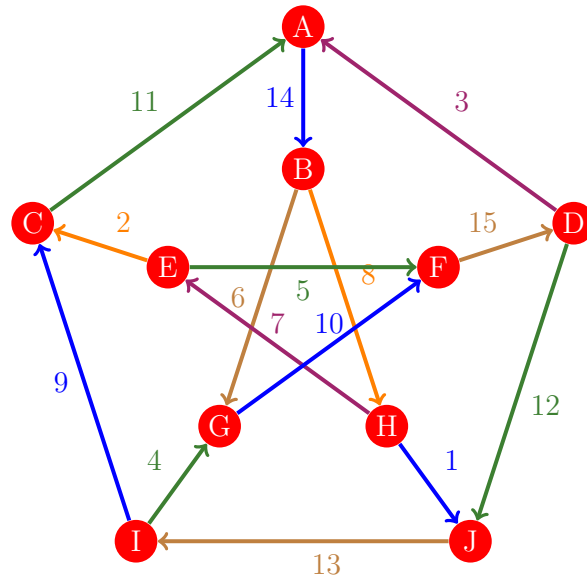


Figura 1111: Flujo 1103 de la gráfica de Petersen

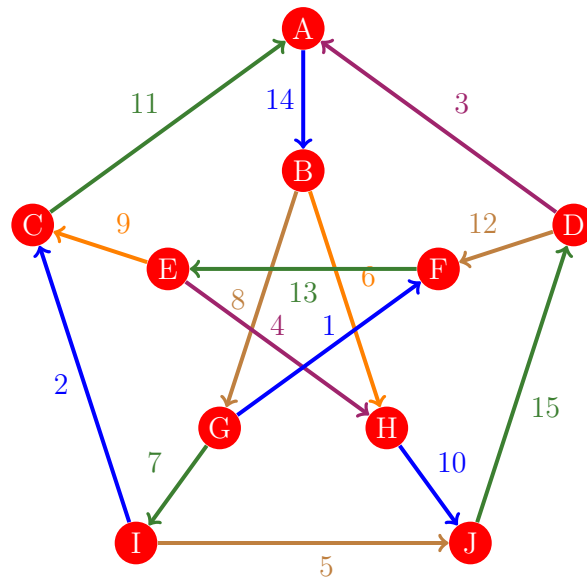


Figura 1112: Flujo 1104 de la gráfica de Petersen

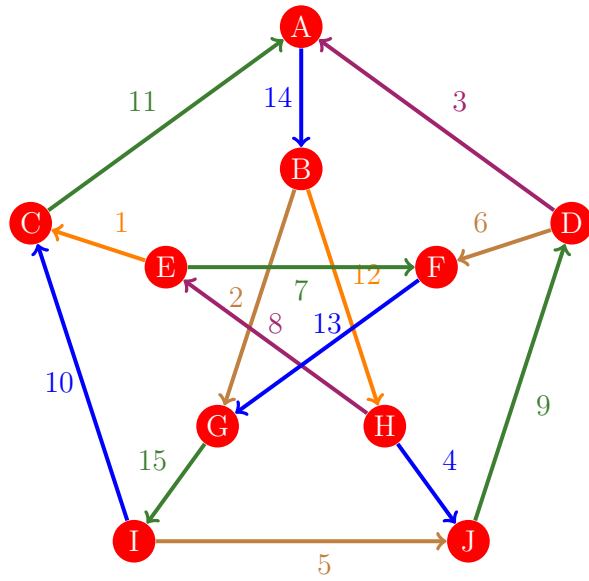


Figura 1113: Flujo 1105 de la gráfica de Petersen

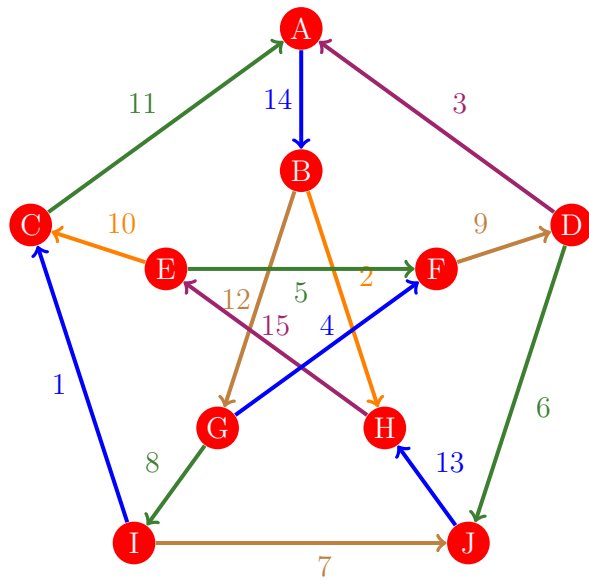


Figura 1114: Flujo 1106 de la gráfica de Petersen

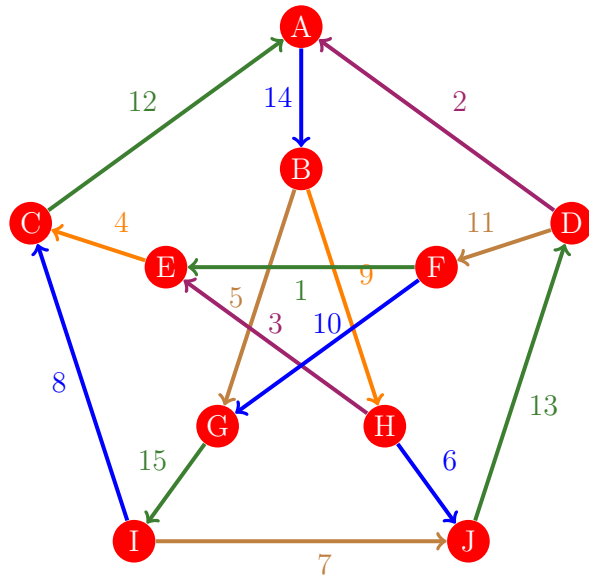


Figura 1115: Flujo 1107 de la gráfica de Petersen

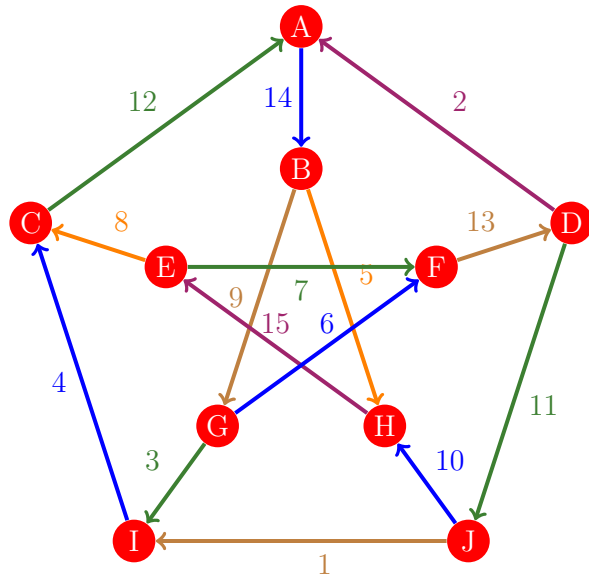


Figura 1116: Flujo 1108 de la gráfica de Petersen

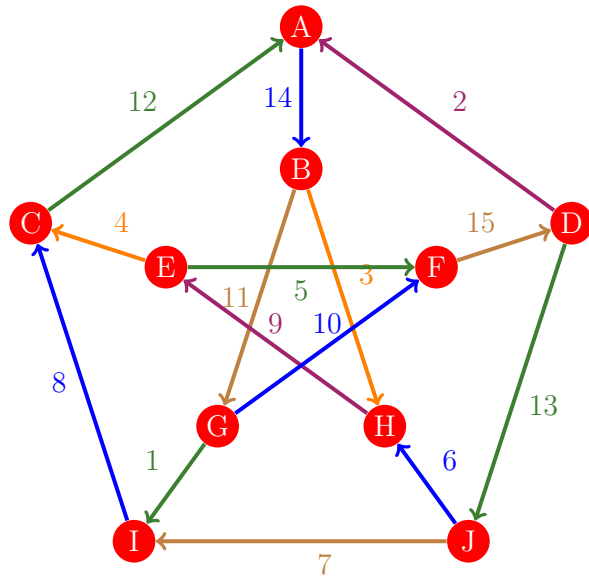


Figura 1117: Flujo 1109 de la gráfica de Petersen

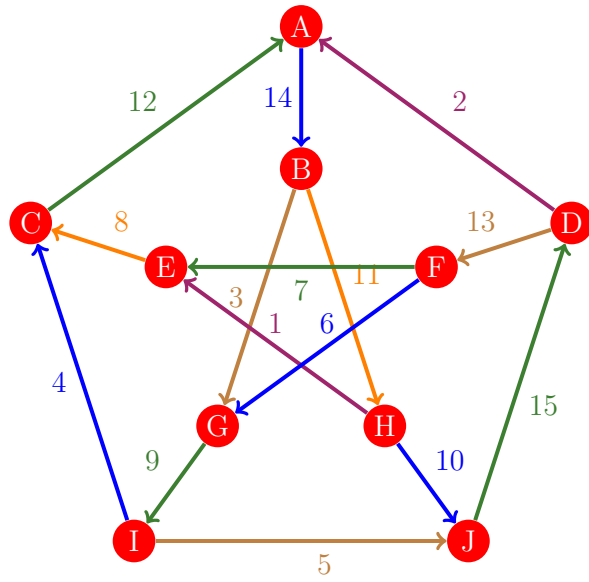


Figura 1118: Flujo 1110 de la gráfica de Petersen

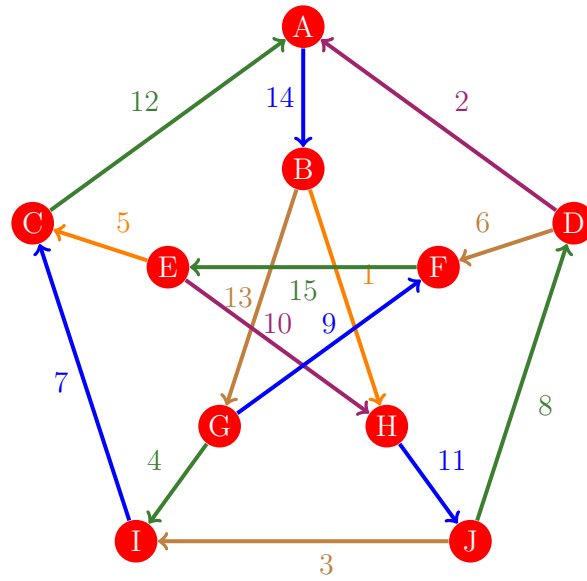


Figura 1119: Flujo 1111 de la gráfica de Petersen

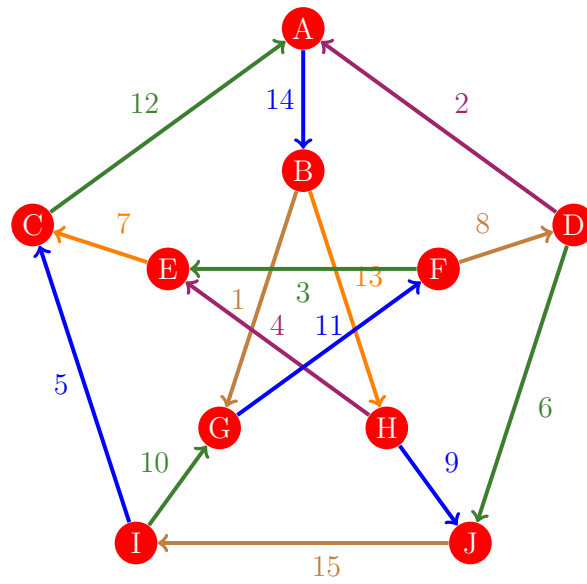


Figura 1120: Flujo 1112 de la gráfica de Petersen

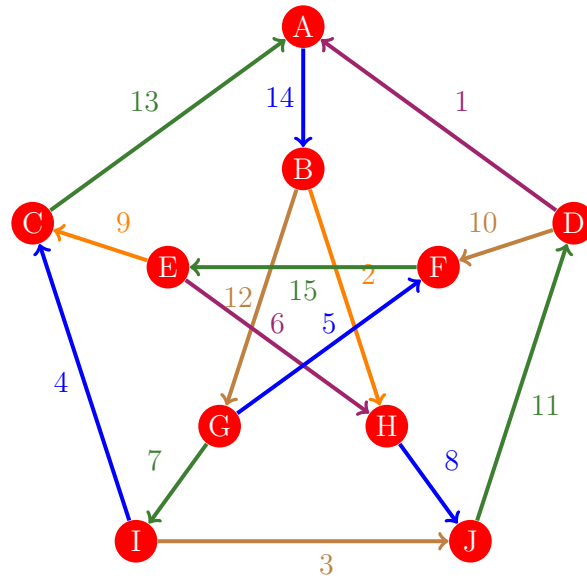


Figura 1121: Flujo 1113 de la gráfica de Petersen

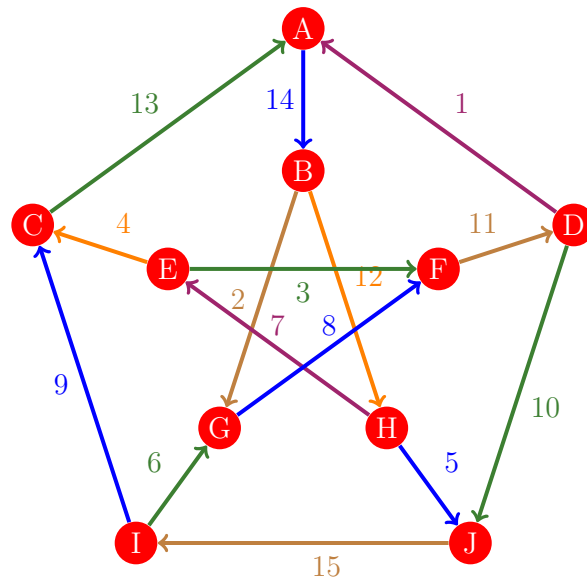


Figura 1122: Flujo 1114 de la gráfica de Petersen

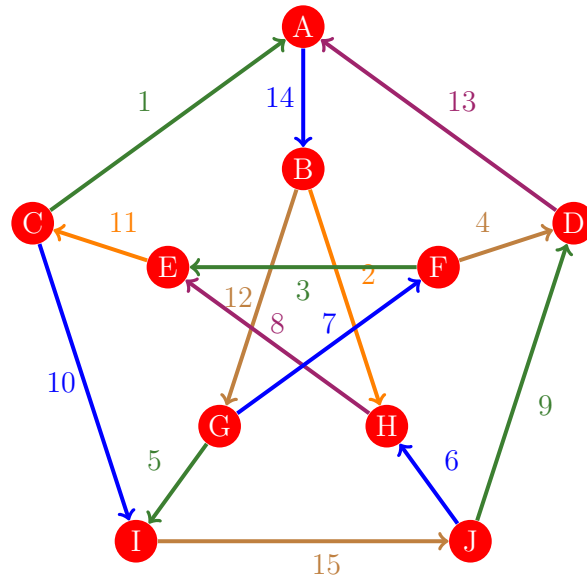


Figura 1123: Flujo 1115 de la gráfica de Petersen

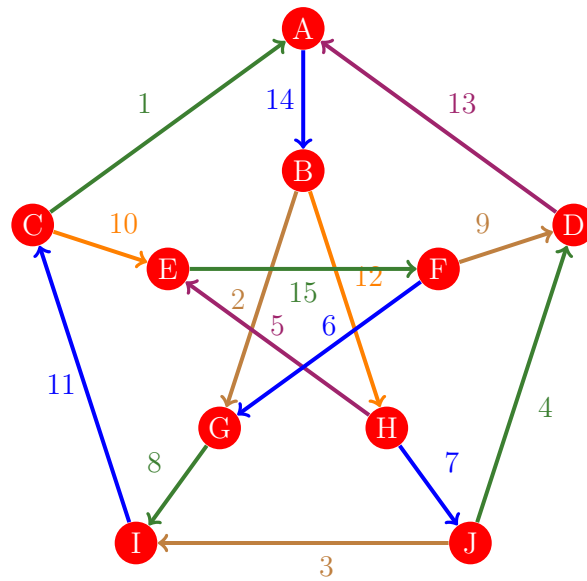


Figura 1124: Flujo 1116 de la gráfica de Petersen

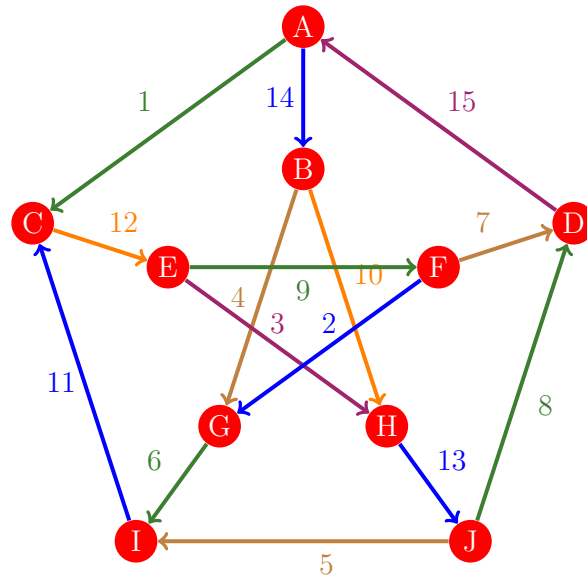


Figura 1125: Flujo 1117 de la gráfica de Petersen

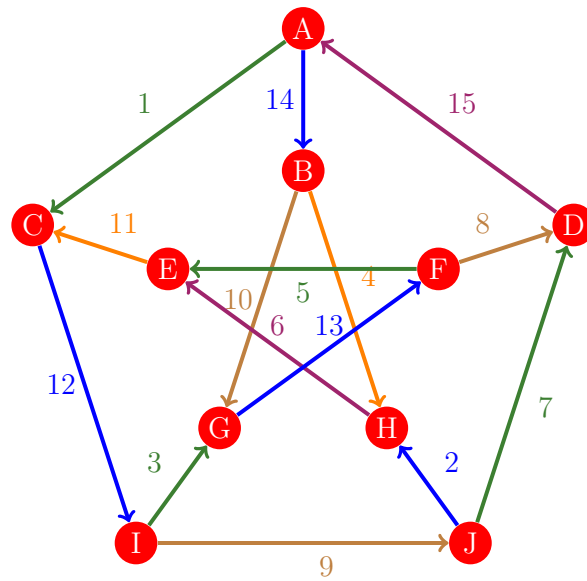


Figura 1126: Flujo 1118 de la gráfica de Petersen

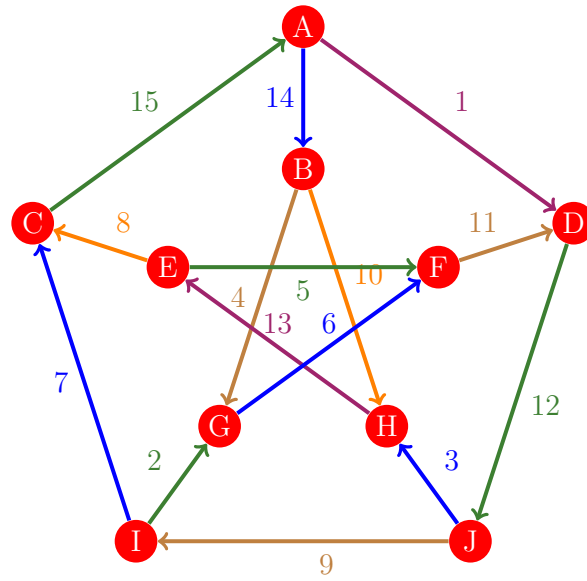


Figura 1127: Flujo 1119 de la gráfica de Petersen

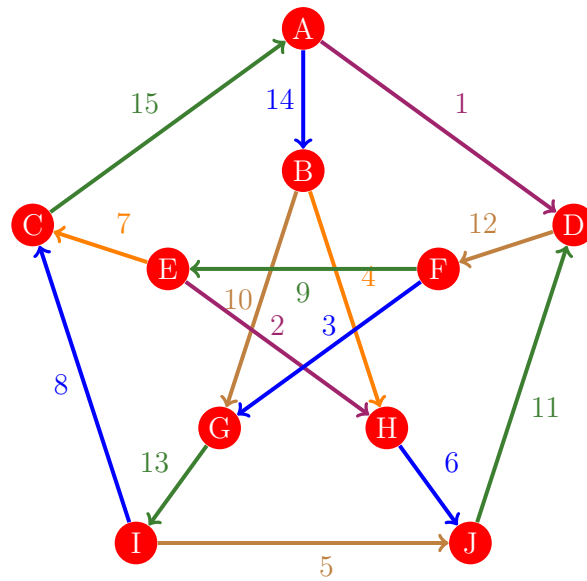


Figura 1128: Flujo 1120 de la gráfica de Petersen

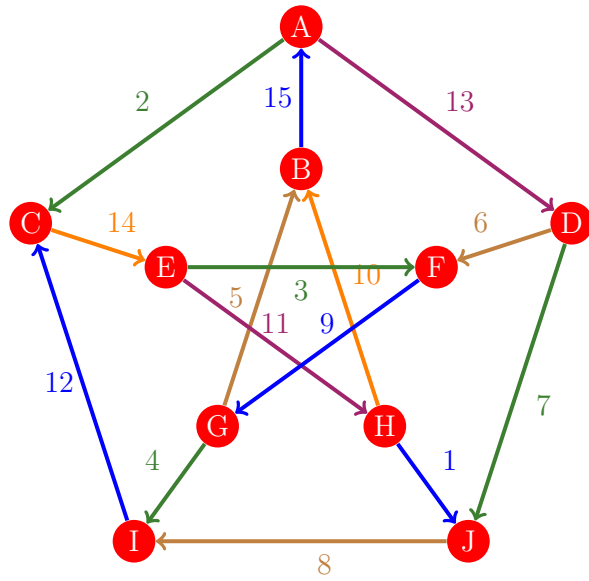


Figura 1129: Flujo 1121 de la gráfica de Petersen

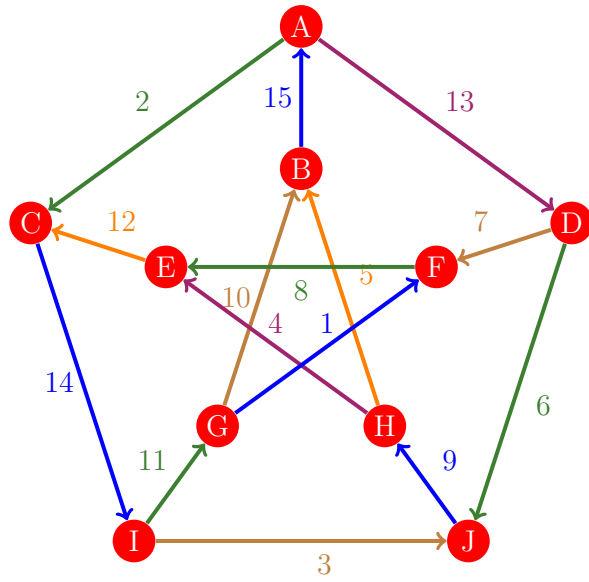


Figura 1130: Flujo 1122 de la gráfica de Petersen

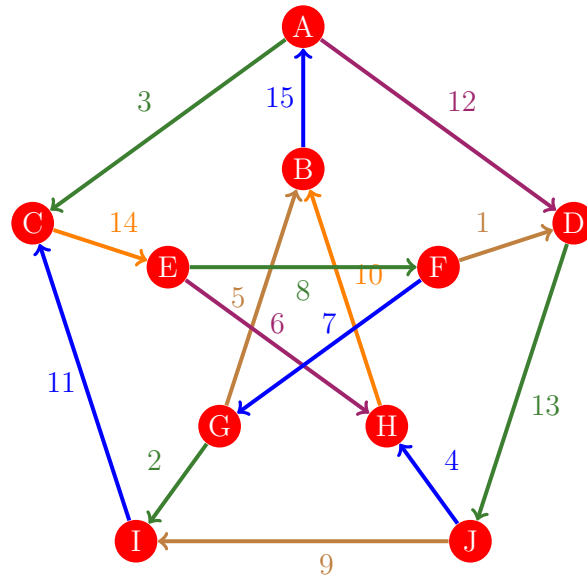


Figura 1131: Flujo 1123 de la gráfica de Petersen

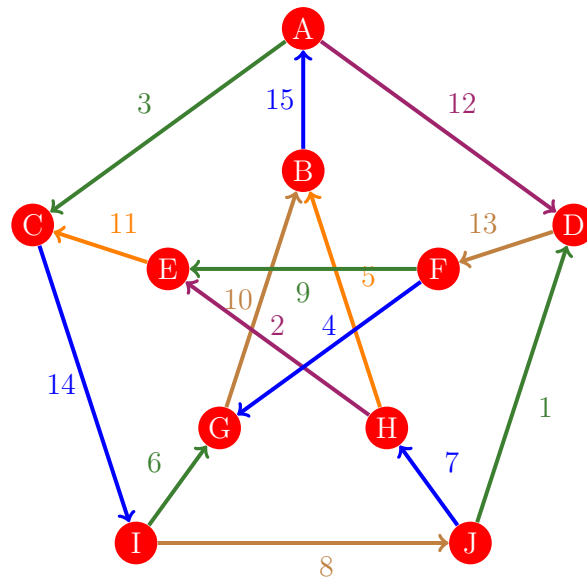


Figura 1132: Flujo 1124 de la gráfica de Petersen

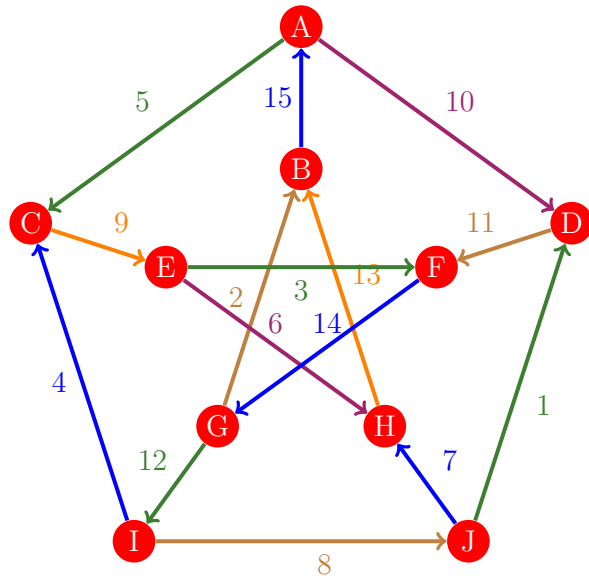


Figura 1133: Flujo 1125 de la gráfica de Petersen

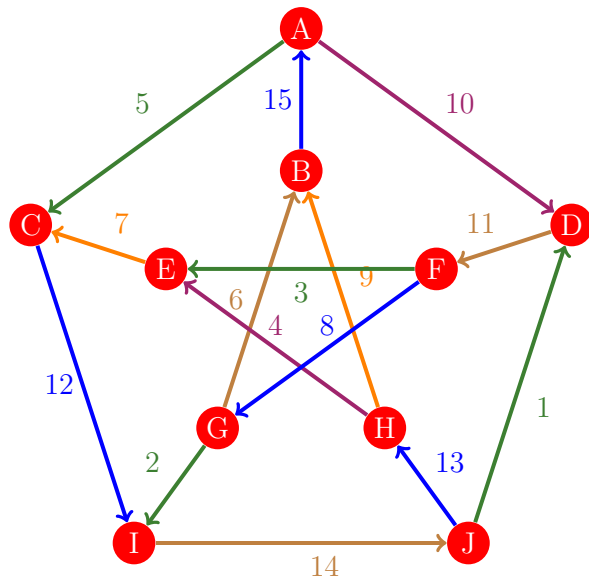


Figura 1134: Flujo 1126 de la gráfica de Petersen

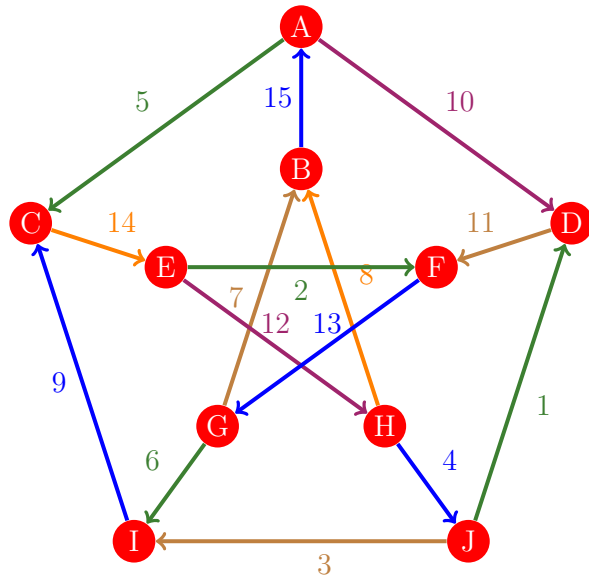


Figura 1135: Flujo 1127 de la gráfica de Petersen

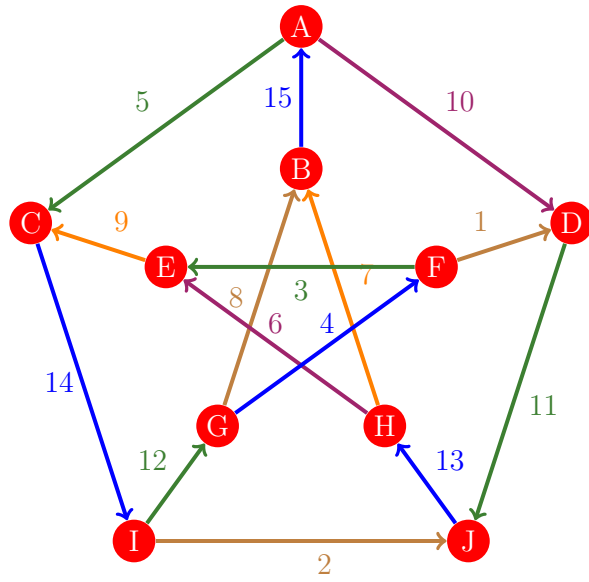


Figura 1136: Flujo 1128 de la gráfica de Petersen

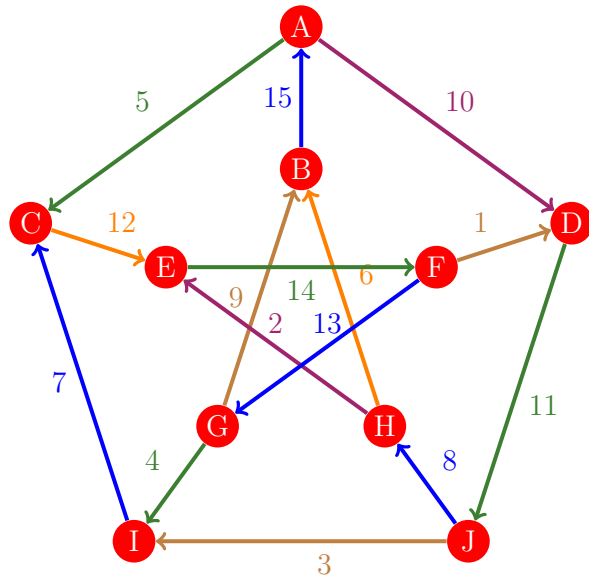


Figura 1137: Flujo 1129 de la gráfica de Petersen

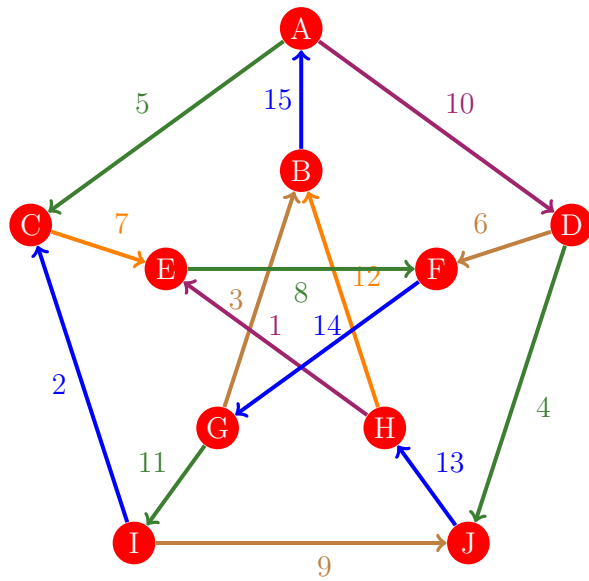


Figura 1138: Flujo 1130 de la gráfica de Petersen

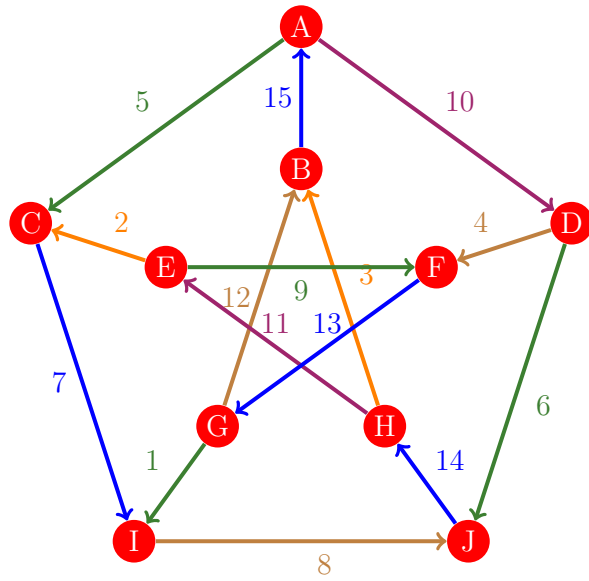


Figura 1139: Flujo 1131 de la gráfica de Petersen

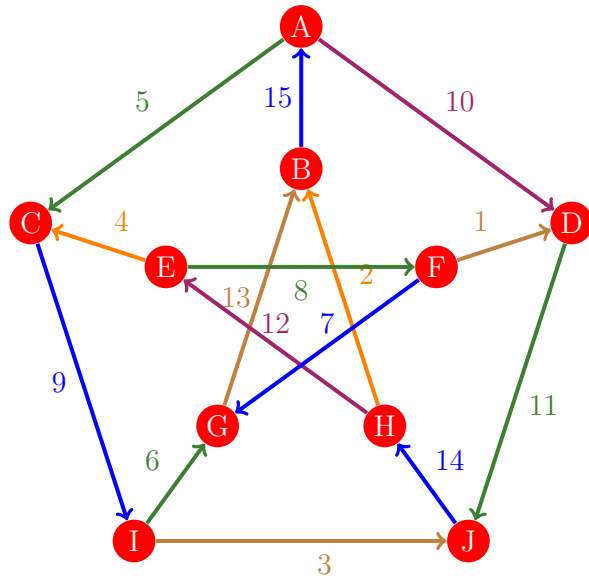


Figura 1140: Flujo 1132 de la gráfica de Petersen

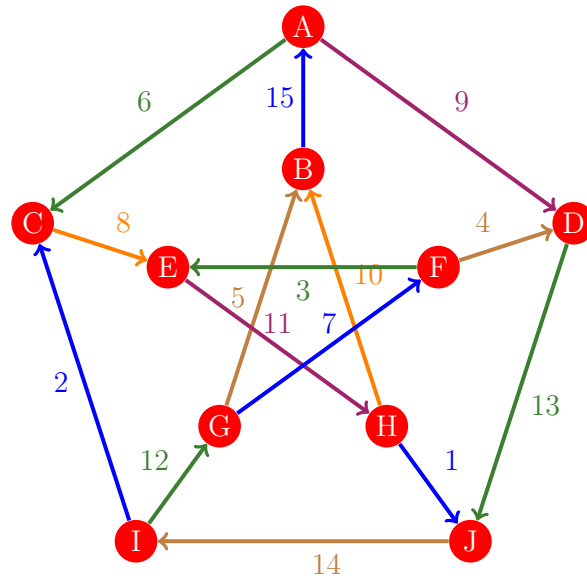


Figura 1141: Flujo 1133 de la gráfica de Petersen

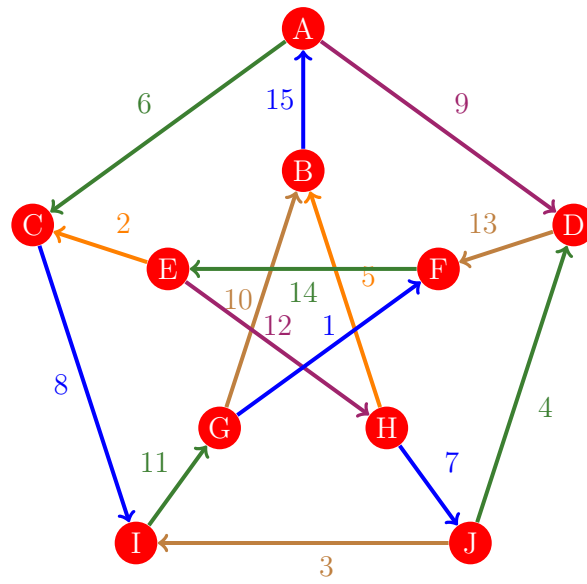


Figura 1142: Flujo 1134 de la gráfica de Petersen

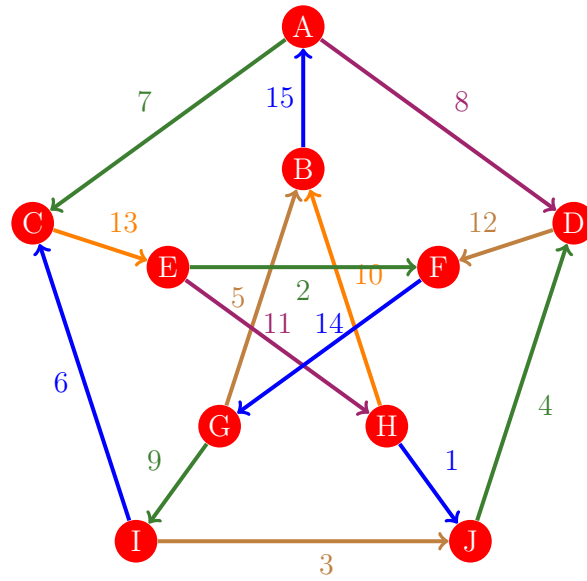


Figura 1143: Flujo 1135 de la gráfica de Petersen

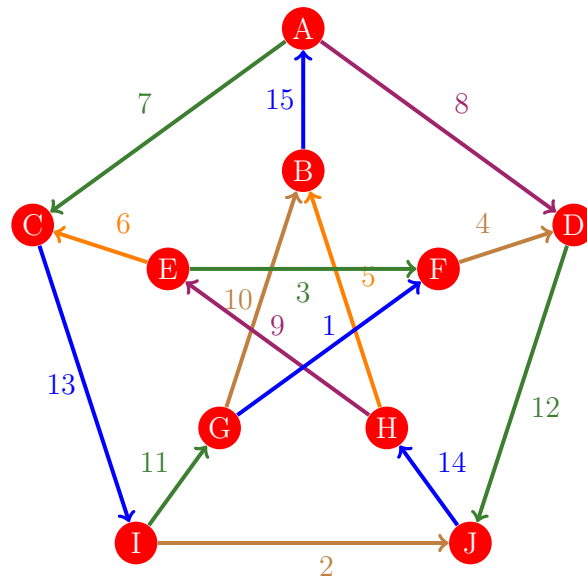


Figura 1144: Flujo 1136 de la gráfica de Petersen

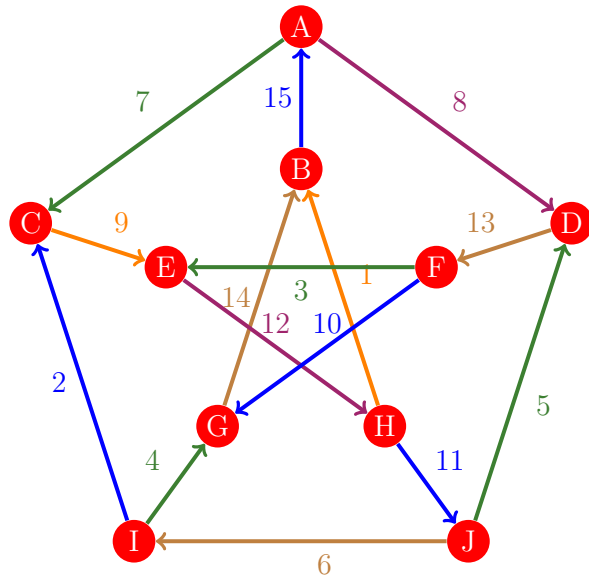


Figura 1145: Flujo 1137 de la gráfica de Petersen

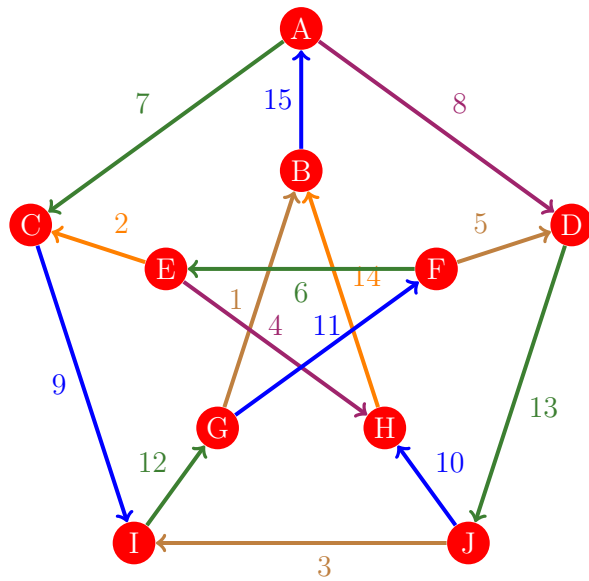


Figura 1146: Flujo 1138 de la gráfica de Petersen

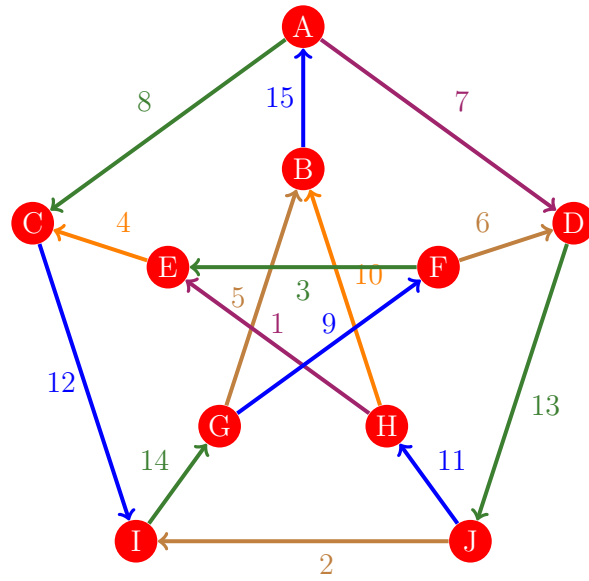


Figura 1147: Flujo 1139 de la gráfica de Petersen

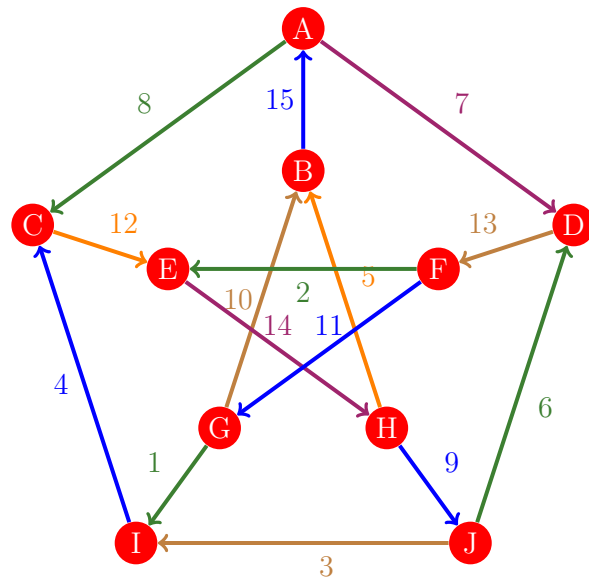


Figura 1148: Flujo 1140 de la gráfica de Petersen

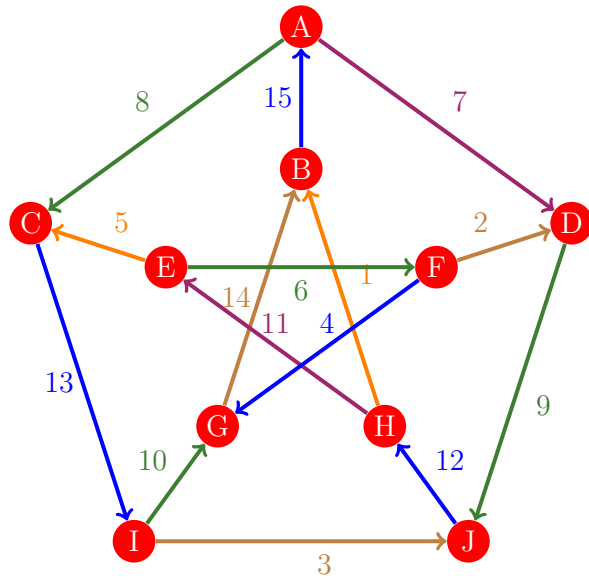


Figura 1149: Flujo 1141 de la gráfica de Petersen

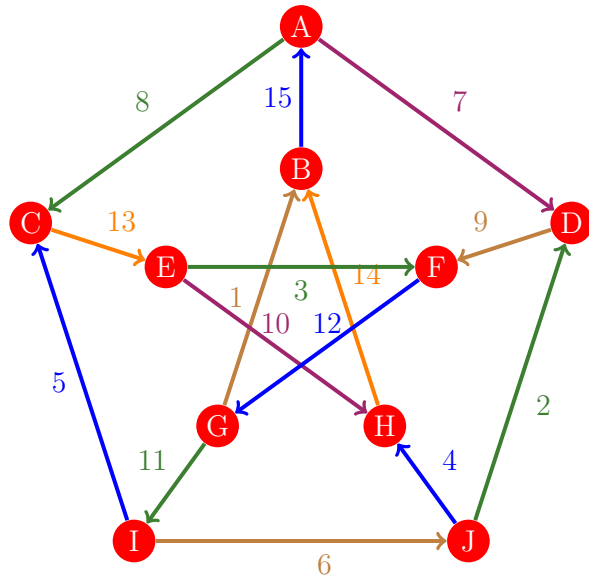


Figura 1150: Flujo 1142 de la gráfica de Petersen

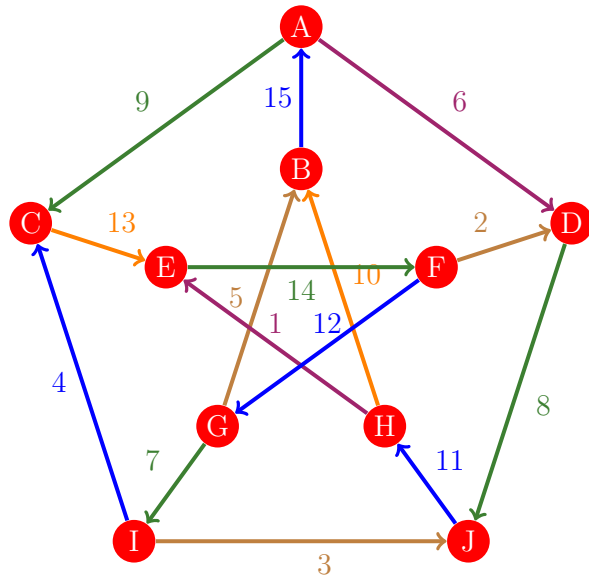


Figura 1151: Flujo 1143 de la gráfica de Petersen

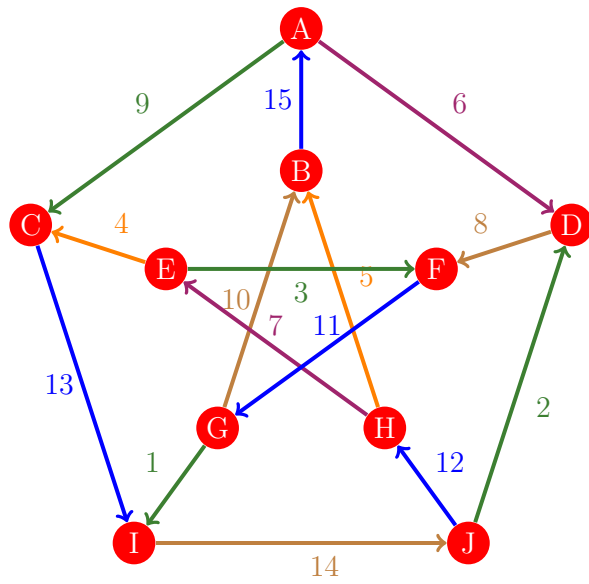


Figura 1152: Flujo 1144 de la gráfica de Petersen

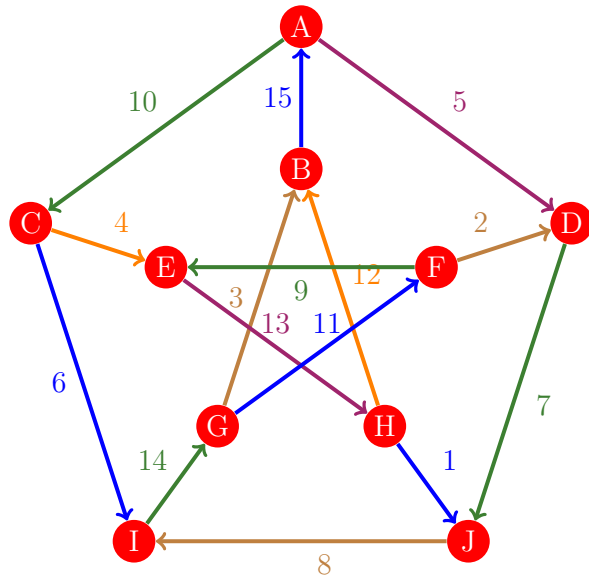


Figura 1153: Flujo 1145 de la gráfica de Petersen

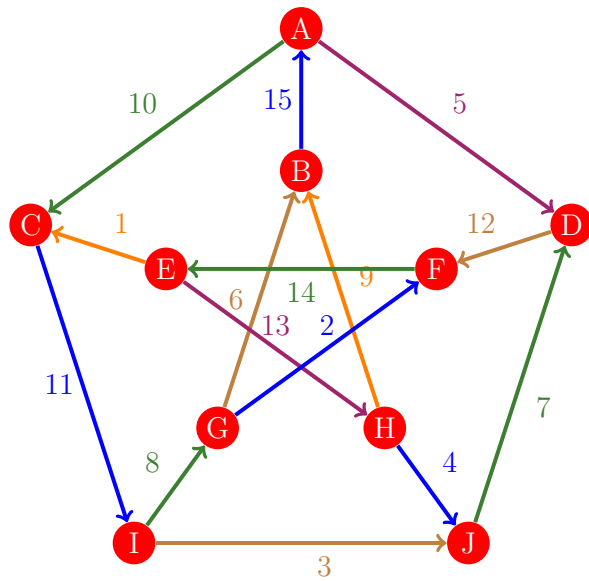


Figura 1154: Flujo 1146 de la gráfica de Petersen

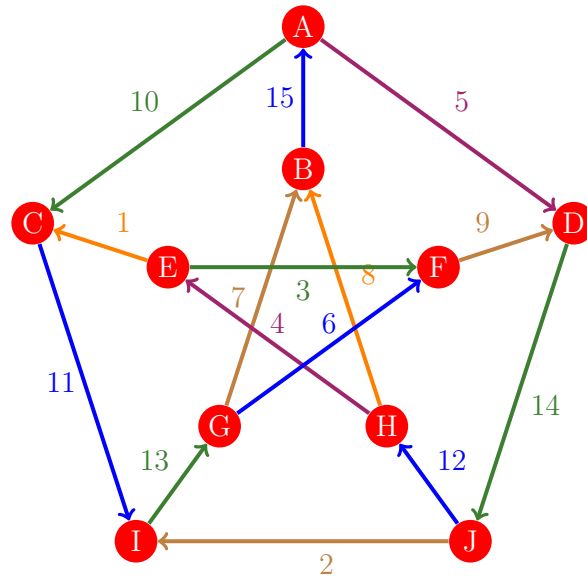


Figura 1155: Flujo 1147 de la gráfica de Petersen

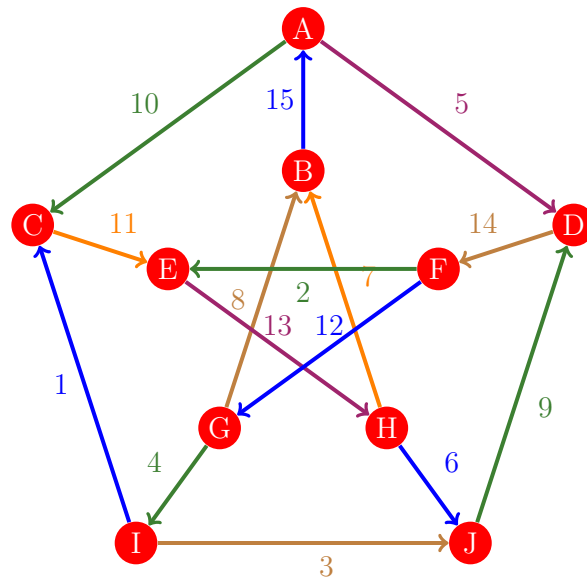


Figura 1156: Flujo 1148 de la gráfica de Petersen

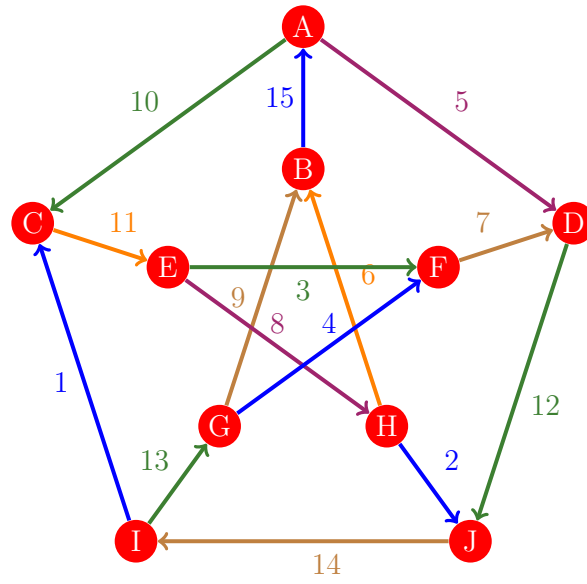


Figura 1157: Flujo 1149 de la gráfica de Petersen

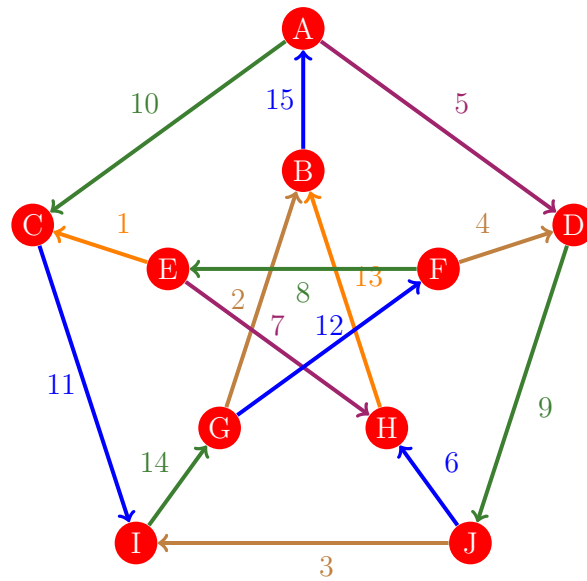


Figura 1158: Flujo 1150 de la gráfica de Petersen

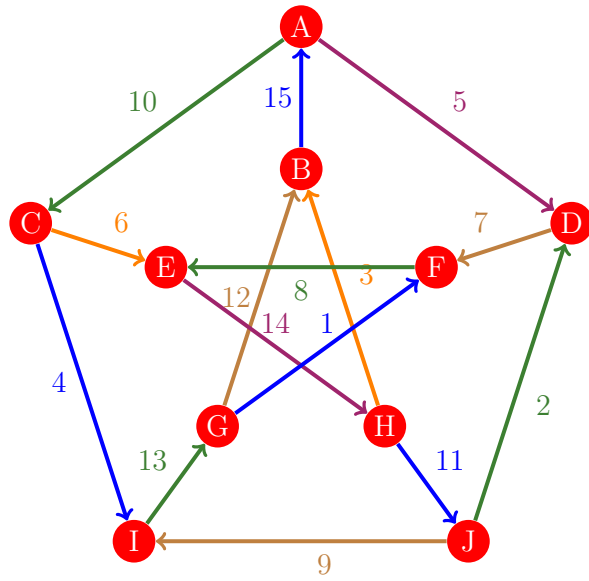


Figura 1159: Flujo 1151 de la gráfica de Petersen

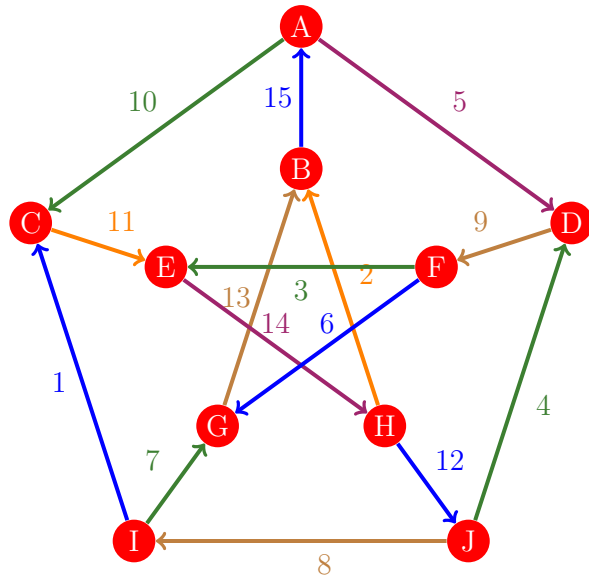


Figura 1160: Flujo 1152 de la gráfica de Petersen

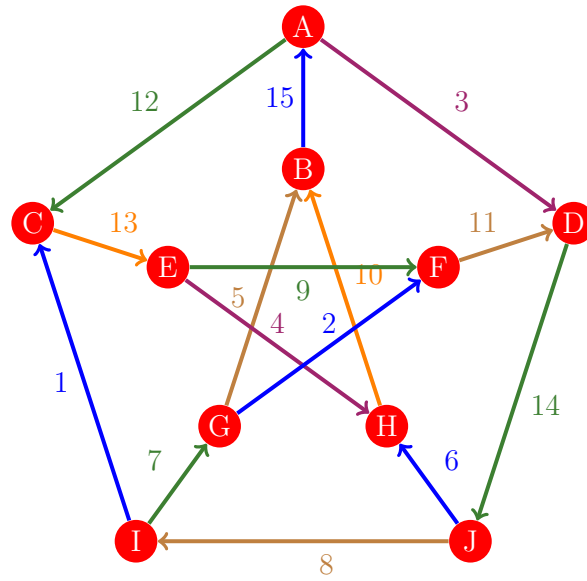


Figura 1161: Flujo 1153 de la gráfica de Petersen

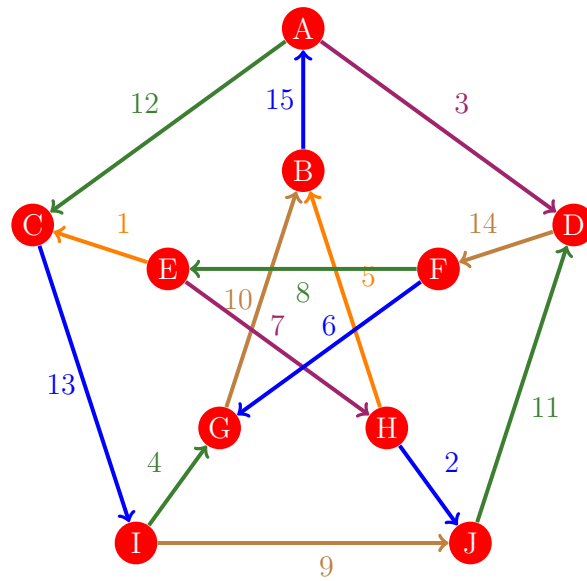


Figura 1162: Flujo 1154 de la gráfica de Petersen

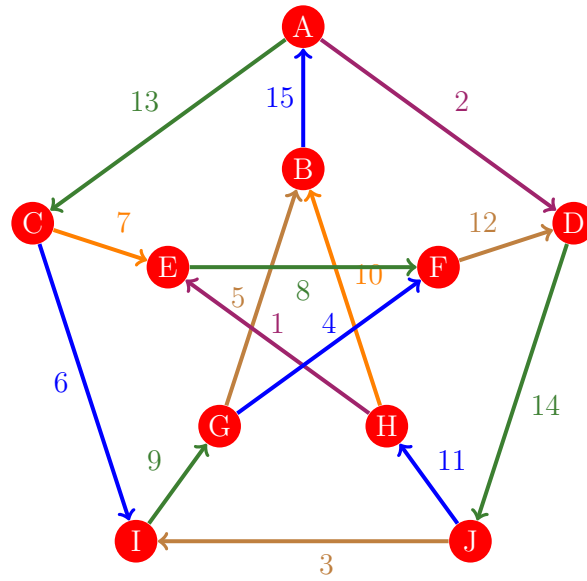


Figura 1163: Flujo 1155 de la gráfica de Petersen

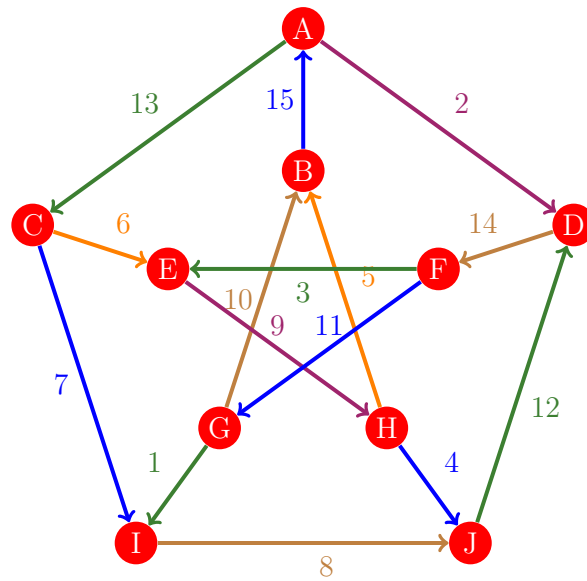


Figura 1164: Flujo 1156 de la gráfica de Petersen

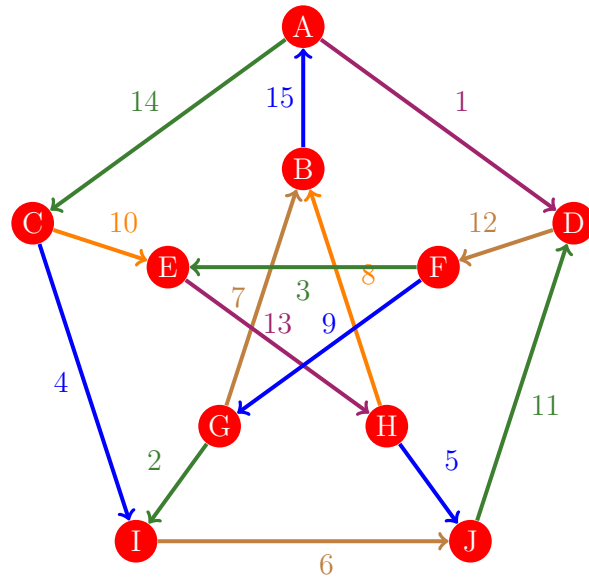


Figura 1165: Flujo 1157 de la gráfica de Petersen

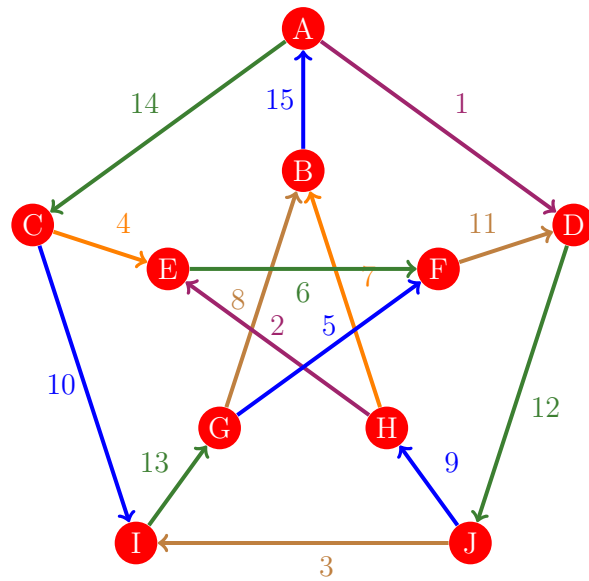


Figura 1166: Flujo 1158 de la gráfica de Petersen

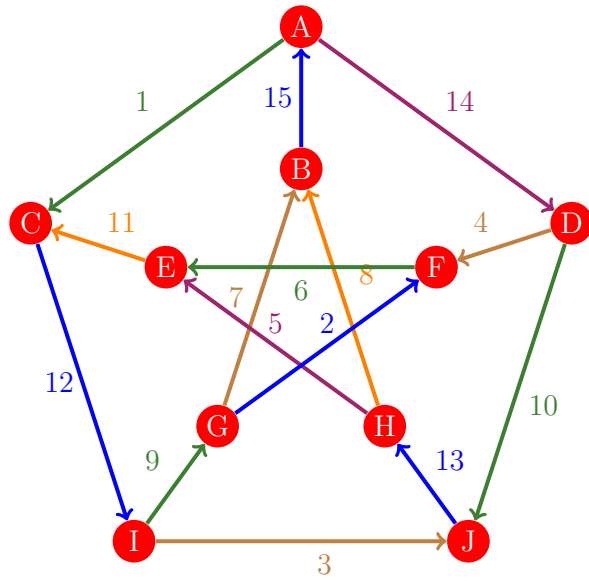


Figura 1167: Flujo 1159 de la gráfica de Petersen

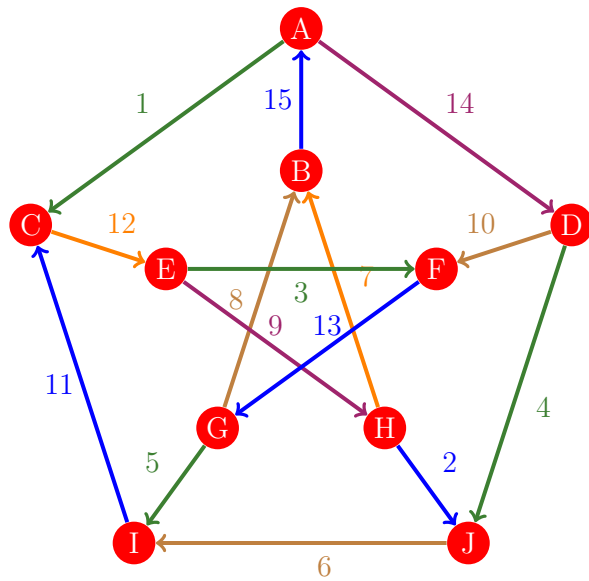


Figura 1168: Flujo 1160 de la gráfica de Petersen

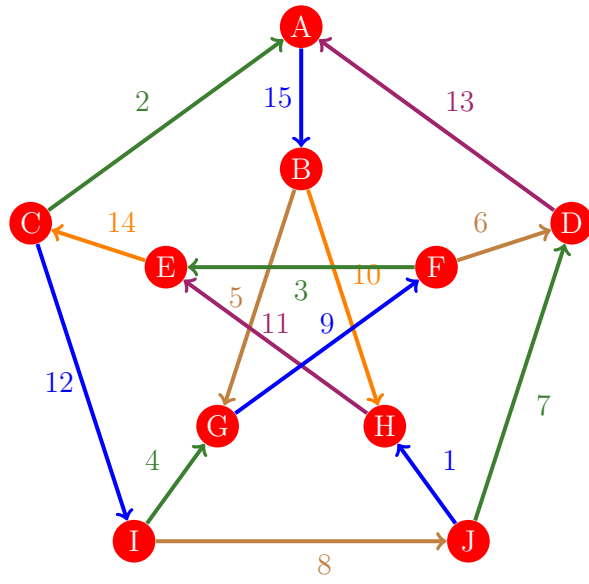


Figura 1169: Flujo 1161 de la gráfica de Petersen

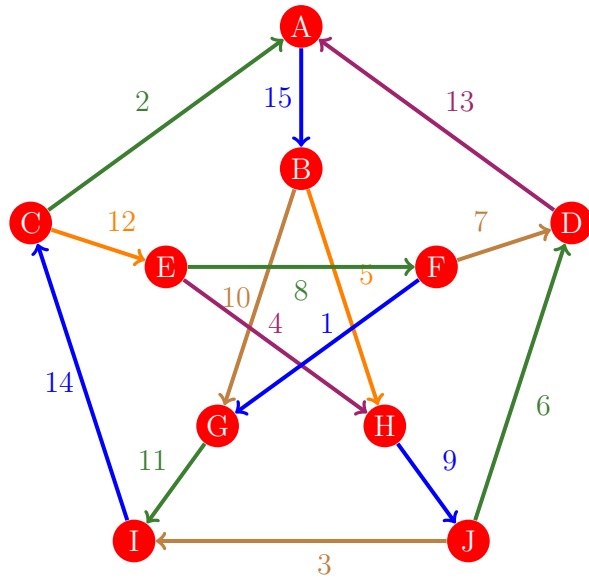


Figura 1170: Flujo 1162 de la gráfica de Petersen

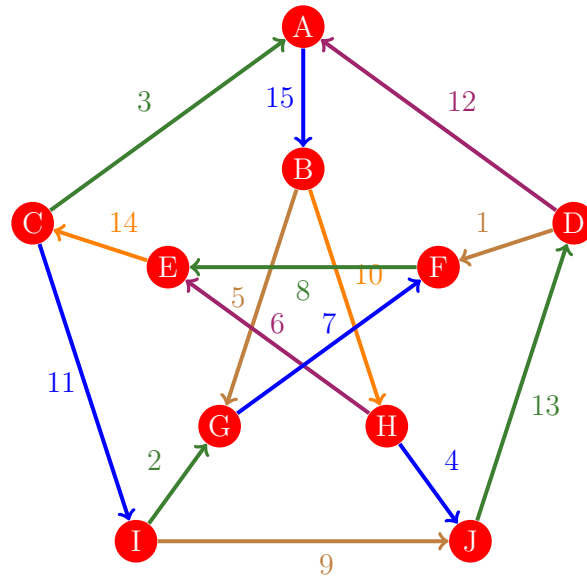


Figura 1171: Flujo 1163 de la gráfica de Petersen

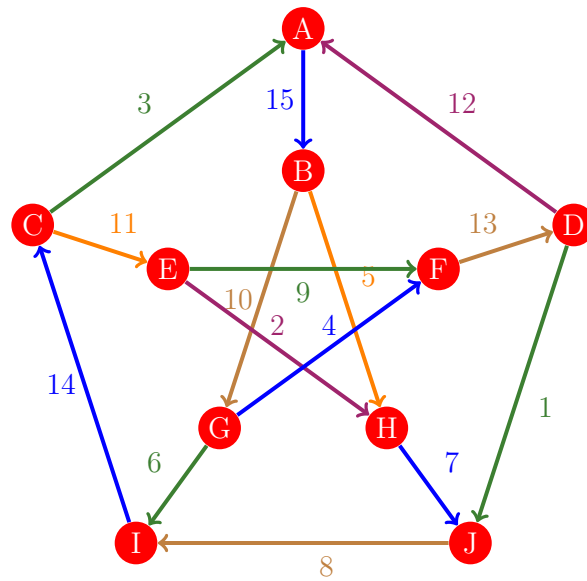


Figura 1172: Flujo 1164 de la gráfica de Petersen

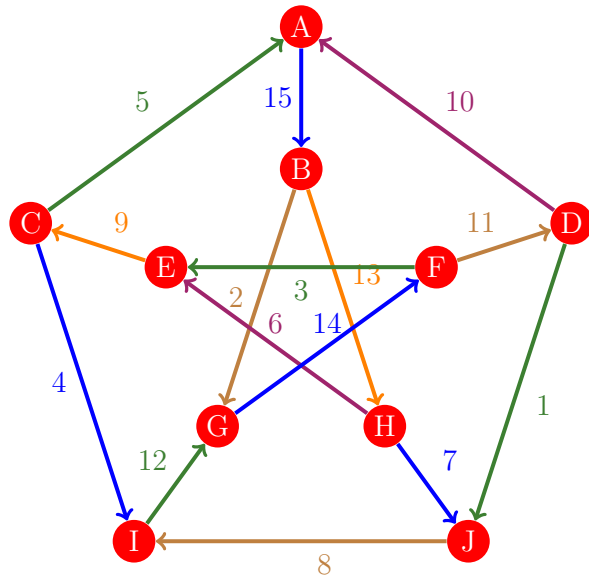


Figura 1173: Flujo 1165 de la gráfica de Petersen

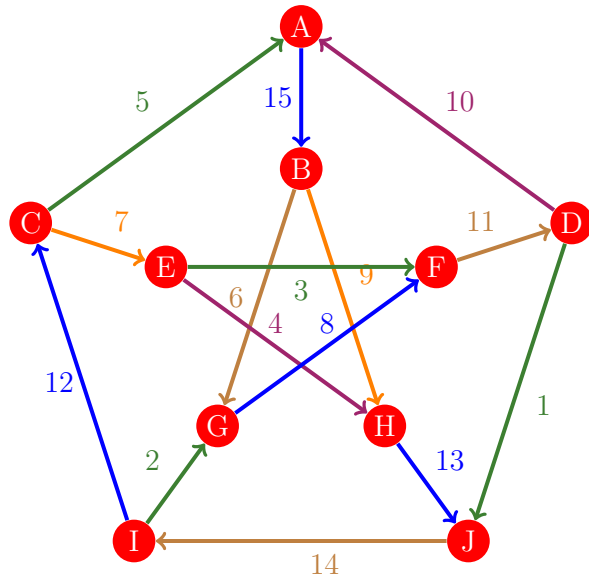


Figura 1174: Flujo 1166 de la gráfica de Petersen

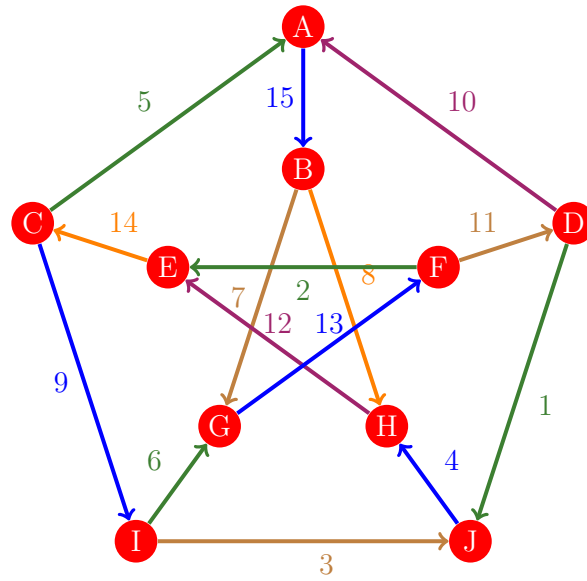


Figura 1175: Flujo 1167 de la gráfica de Petersen

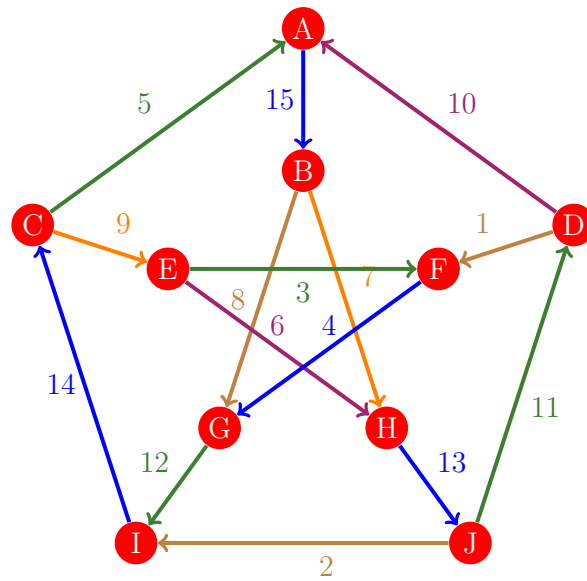


Figura 1176: Flujo 1168 de la gráfica de Petersen

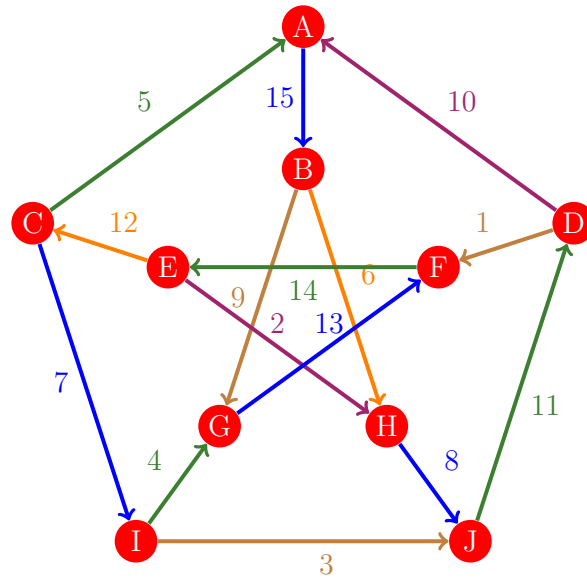


Figura 1177: Flujo 1169 de la gráfica de Petersen

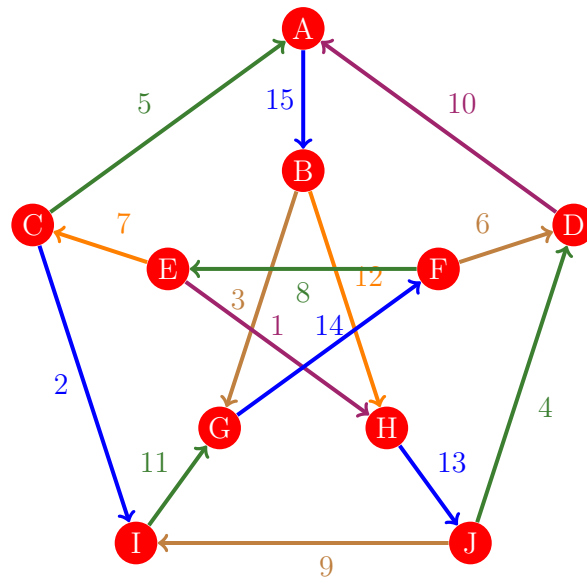


Figura 1178: Flujo 1170 de la gráfica de Petersen

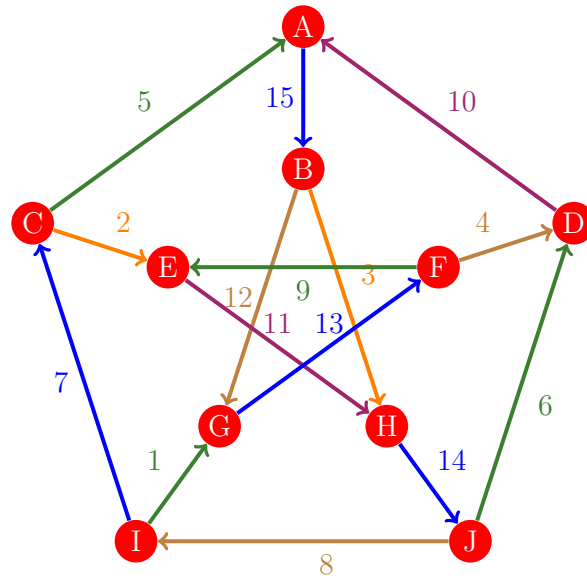


Figura 1179: Flujo 1171 de la gráfica de Petersen

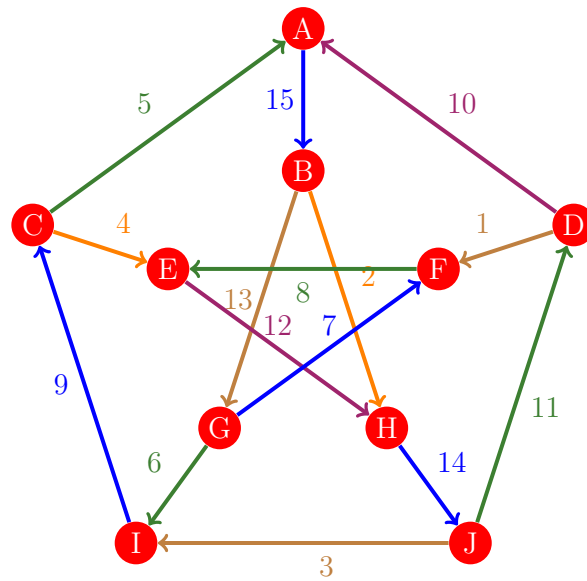


Figura 1180: Flujo 1172 de la gráfica de Petersen

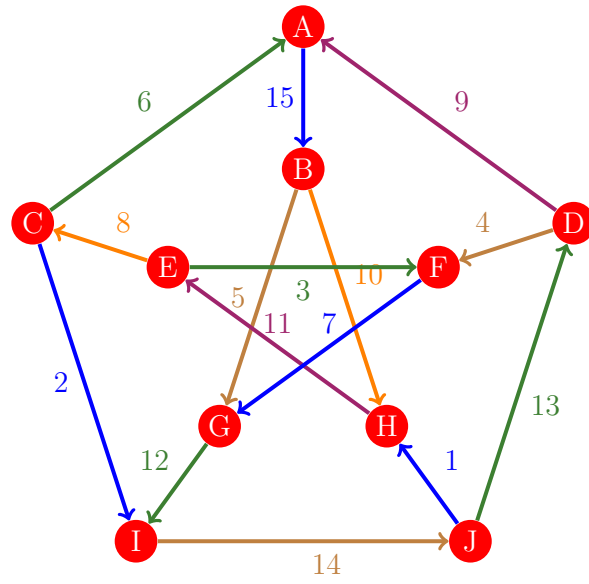


Figura 1181: Flujo 1173 de la gráfica de Petersen

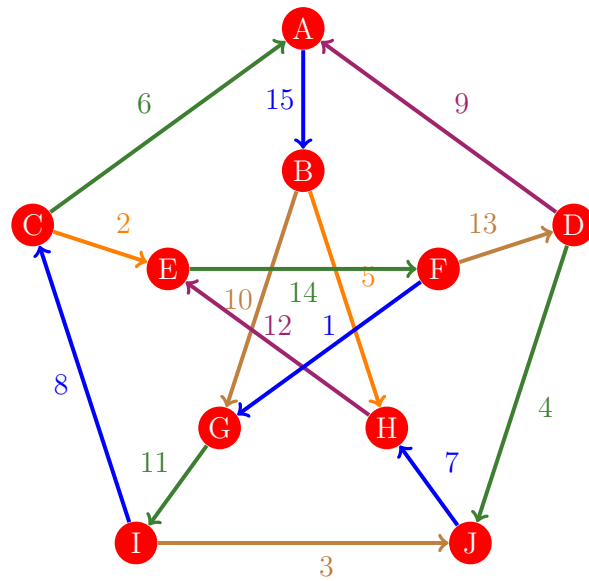


Figura 1182: Flujo 1174 de la gráfica de Petersen

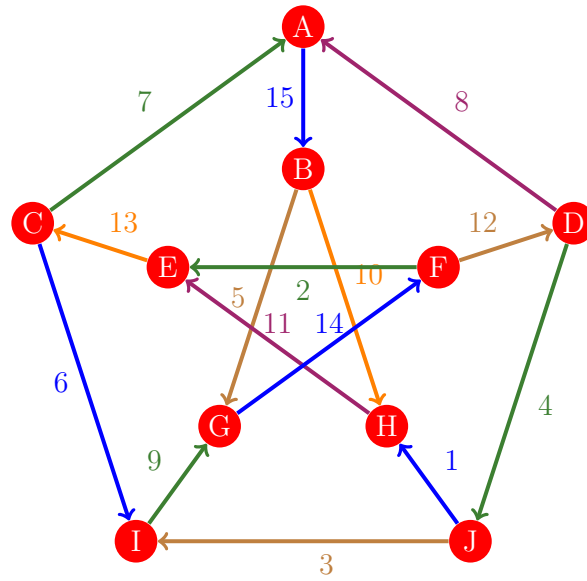


Figura 1183: Flujo 1175 de la gráfica de Petersen

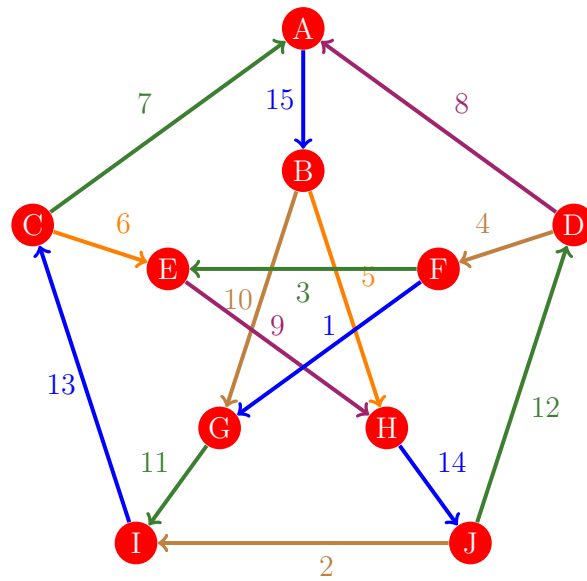


Figura 1184: Flujo 1176 de la gráfica de Petersen

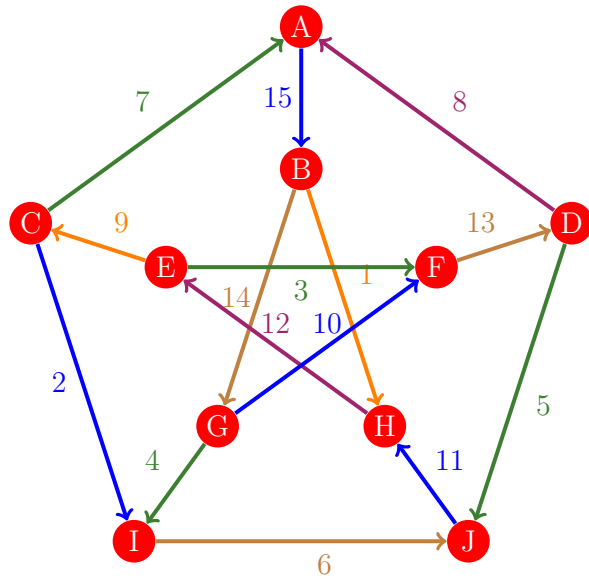


Figura 1185: Flujo 1177 de la gráfica de Petersen

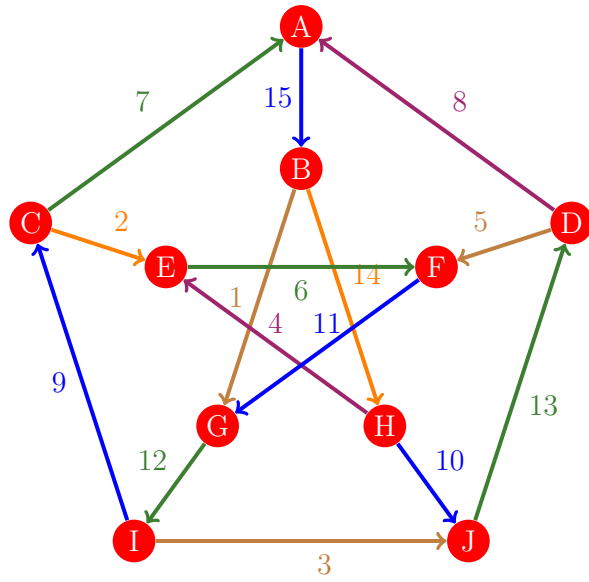


Figura 1186: Flujo 1178 de la gráfica de Petersen

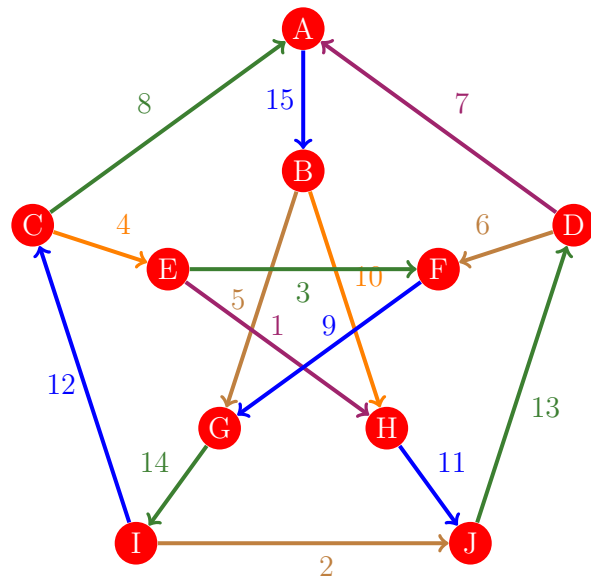


Figura 1187: Flujo 1179 de la gráfica de Petersen

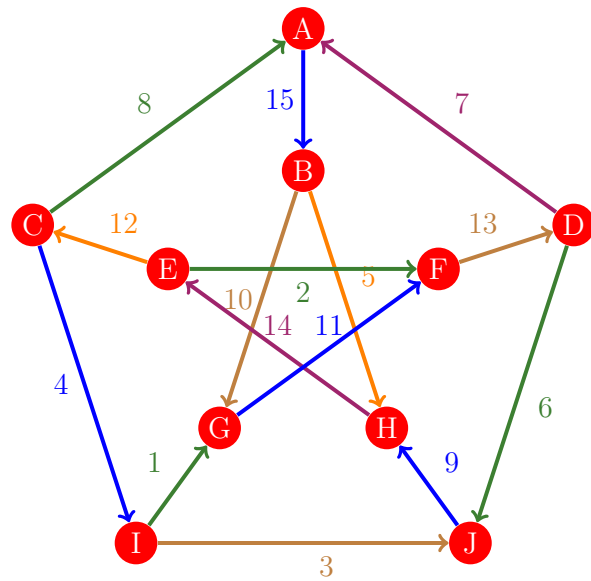


Figura 1188: Flujo 1180 de la gráfica de Petersen

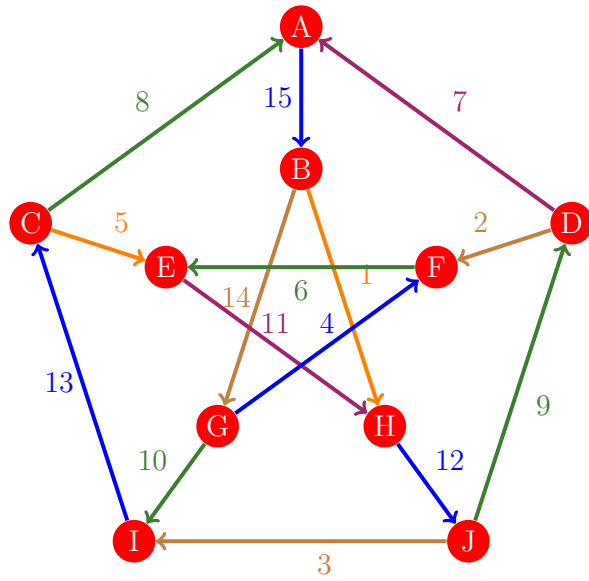


Figura 1189: Flujo 1181 de la gráfica de Petersen

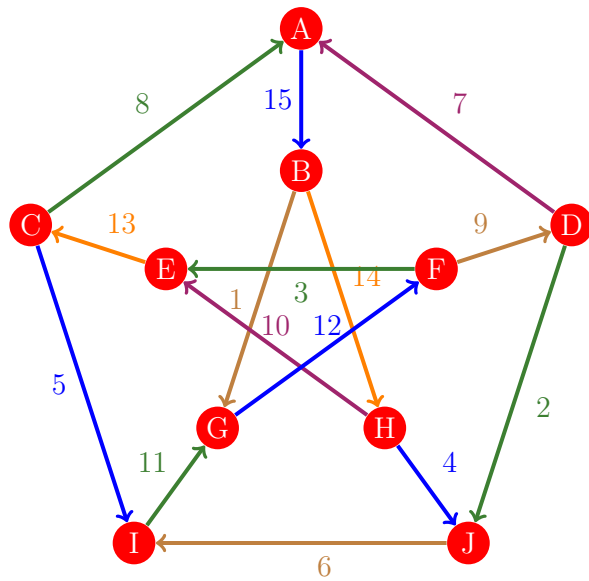


Figura 1190: Flujo 1182 de la gráfica de Petersen

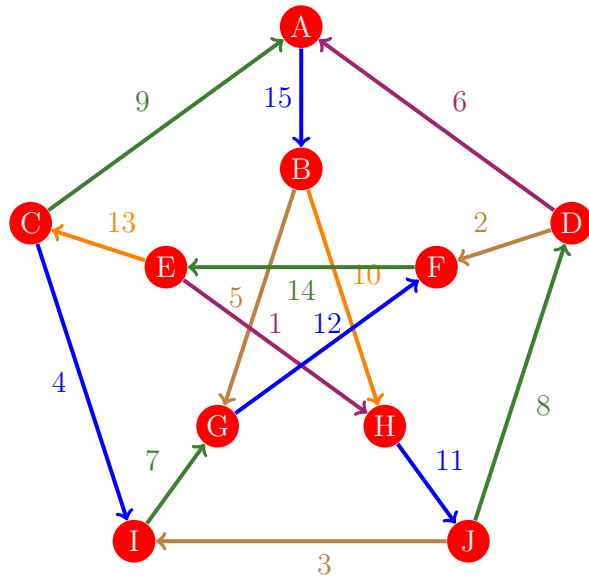


Figura 1191: Flujo 1183 de la gráfica de Petersen

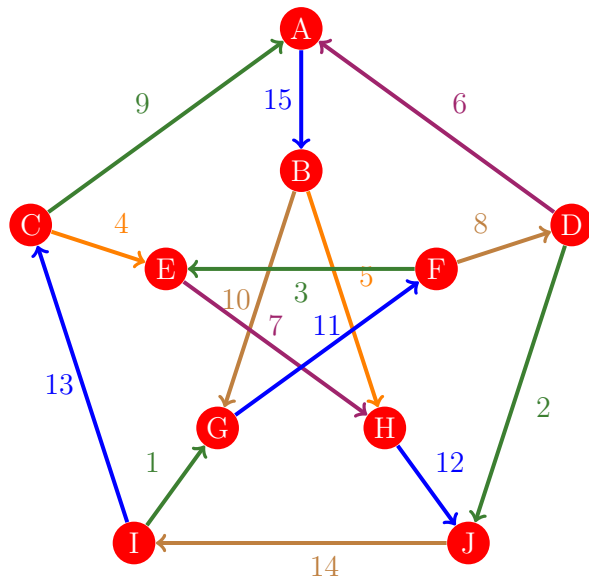


Figura 1192: Flujo 1184 de la gráfica de Petersen

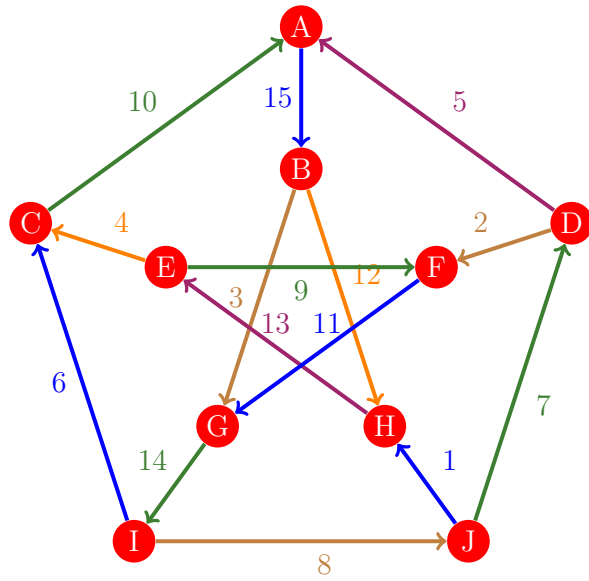


Figura 1193: Flujo 1185 de la gráfica de Petersen

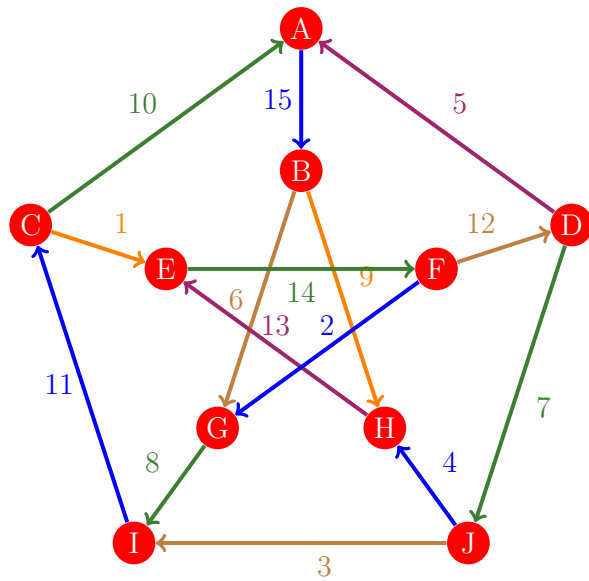


Figura 1194: Flujo 1186 de la gráfica de Petersen

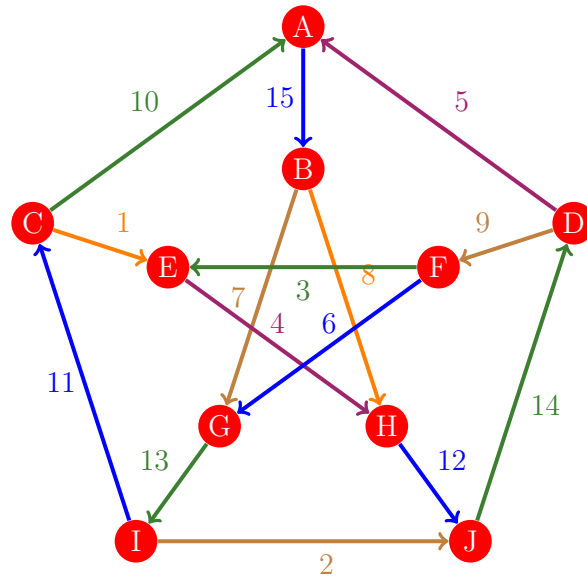


Figura 1195: Flujo 1187 de la gráfica de Petersen

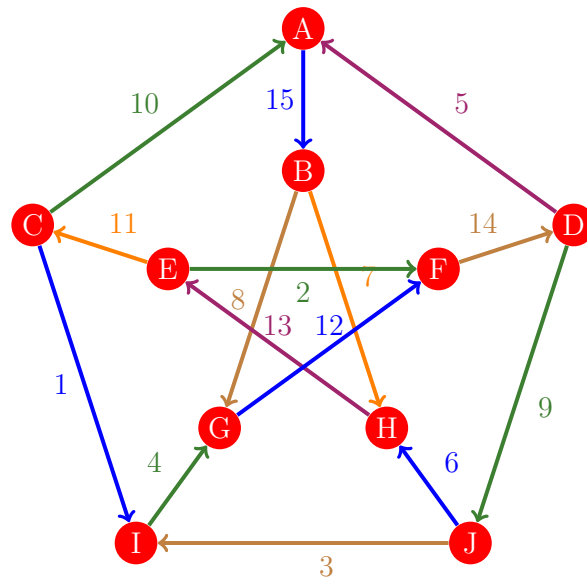


Figura 1196: Flujo 1188 de la gráfica de Petersen

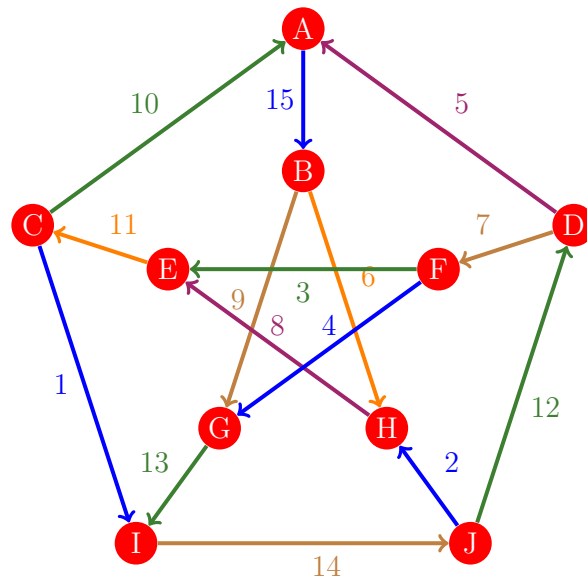


Figura 1197: Flujo 1189 de la gráfica de Petersen

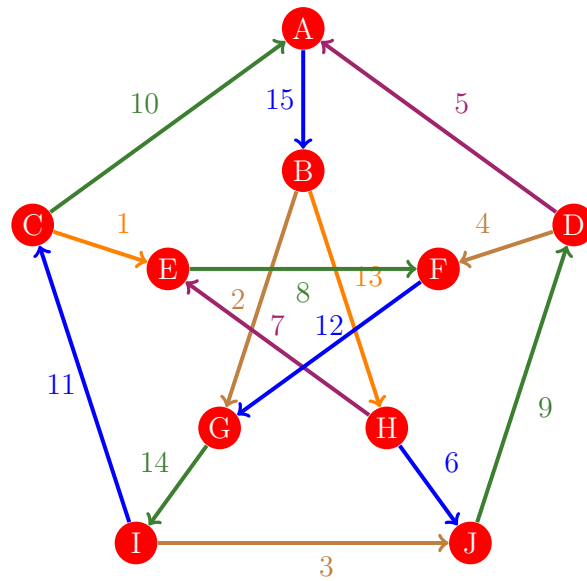


Figura 1198: Flujo 1190 de la gráfica de Petersen

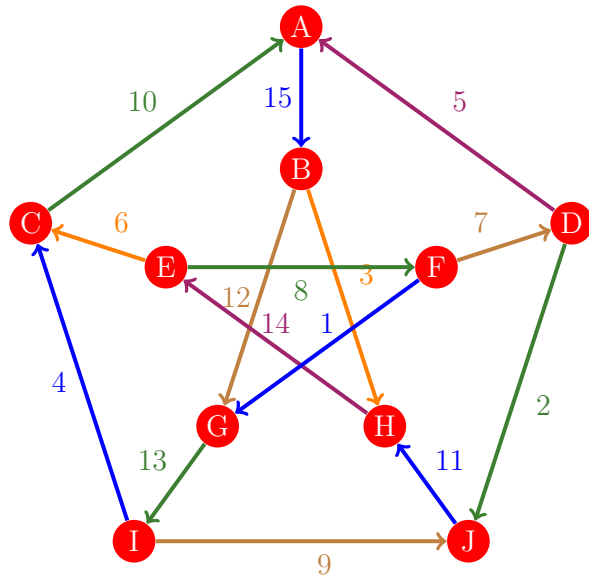


Figura 1199: Flujo 1191 de la gráfica de Petersen

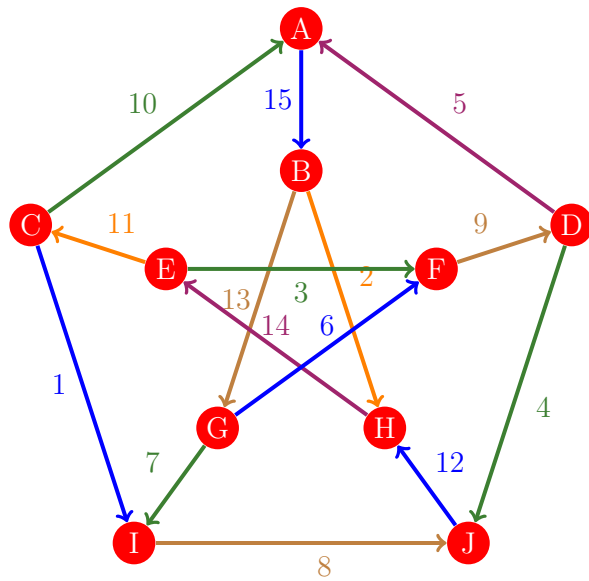


Figura 1200: Flujo 1192 de la gráfica de Petersen

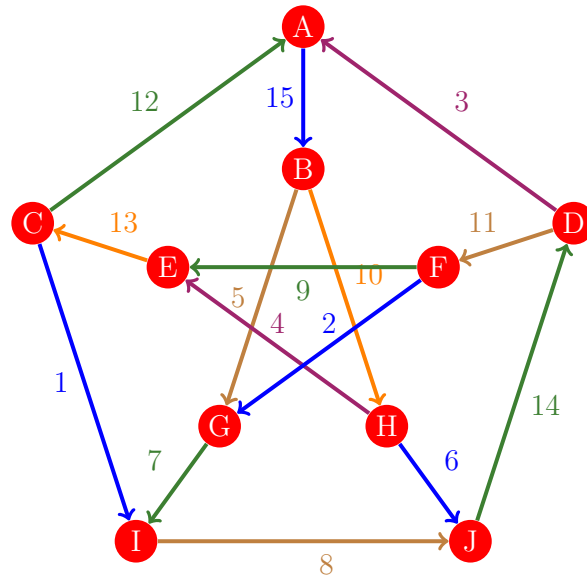


Figura 1201: Flujo 1193 de la gráfica de Petersen

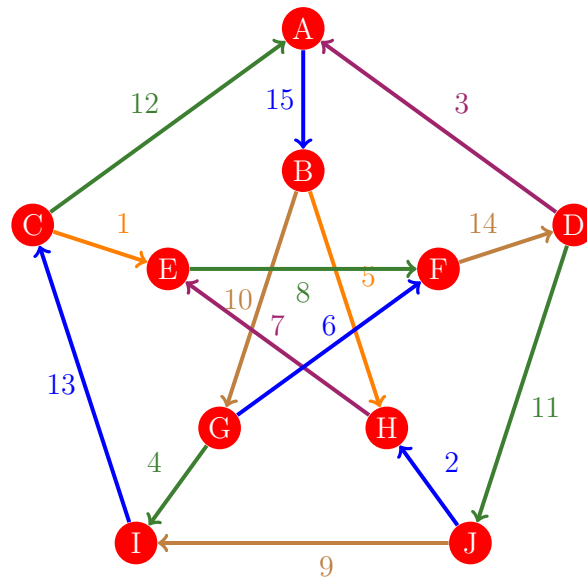


Figura 1202: Flujo 1194 de la gráfica de Petersen

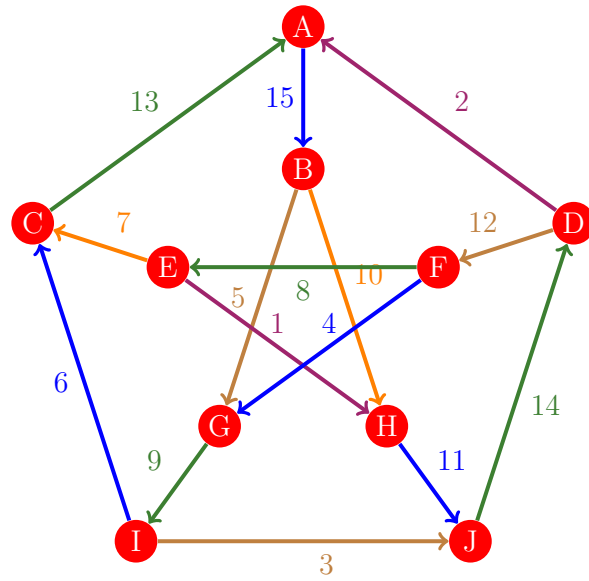


Figura 1203: Flujo 1195 de la gráfica de Petersen

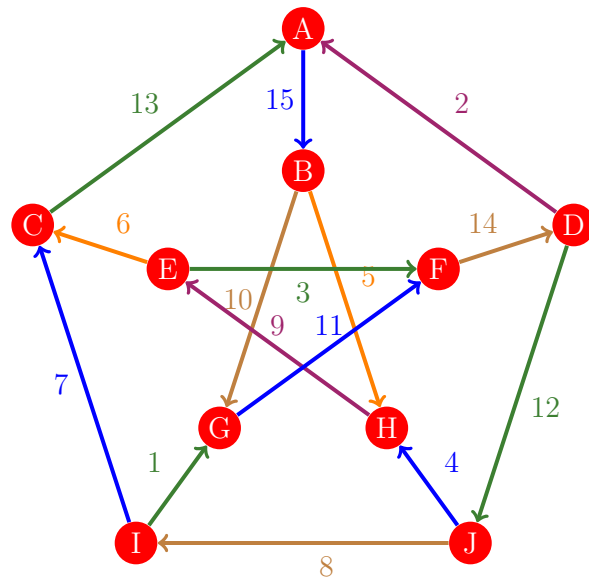


Figura 1204: Flujo 1196 de la gráfica de Petersen

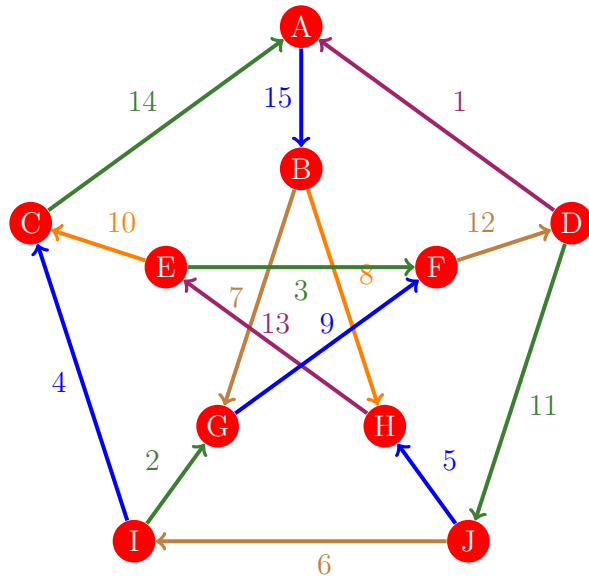


Figura 1205: Flujo 1197 de la gráfica de Petersen

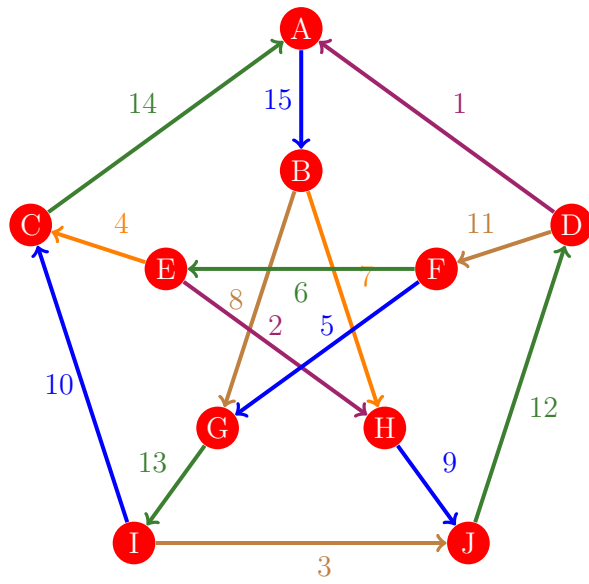


Figura 1206: Flujo 1198 de la gráfica de Petersen

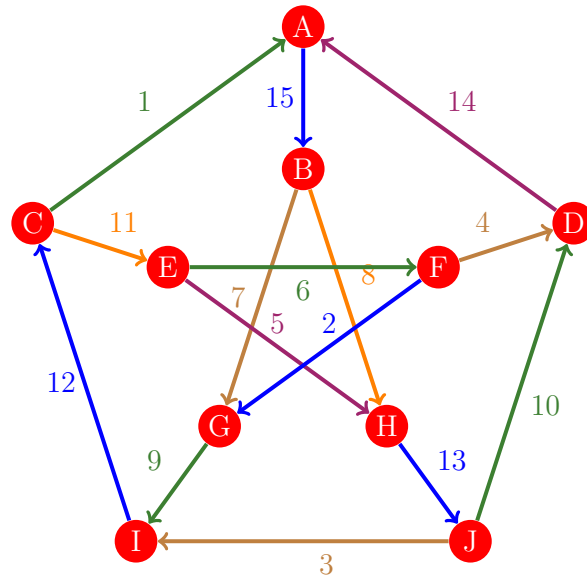


Figura 1207: Flujo 1199 de la gráfica de Petersen

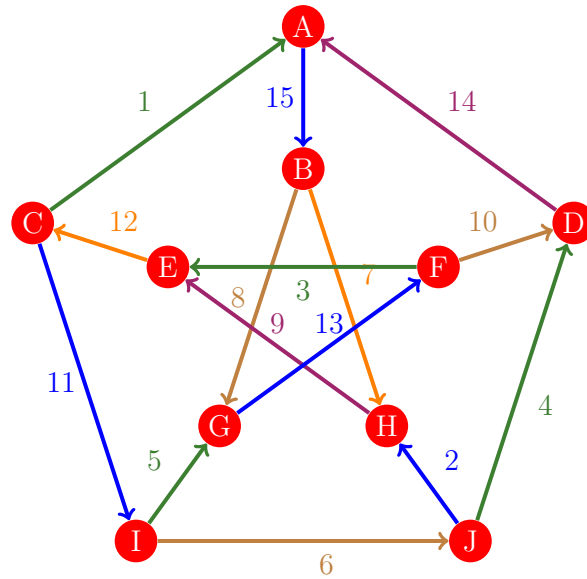


Figura 1208: Flujo 1200 de la gráfica de Petersen