

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **1** | 0 | 2 | 5 | 3 | 5 | 6 | 6 |
| **2** | 2 | 0 | 5 | 1 | inf | inf | 4 |
| **3** | 5 | 5 | 0 | 3 | inf | 1 | 1 |
| **4** | 3 | 1 | 3 | 0 | 2 | inf | inf |
| **5** | 5 | inf | inf | 2 | 0 | 1 | inf |
| **6** | 6 | inf | 1 | inf | 1 | 0 | 3 |
| **7** | 6 | 4 | 1 | inf | inf | 3 | 0 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2 | 4 | 5 | 6 | 7 |
| Cost | 5 | 5 | 3 | inf | 1 | 1 |

Identificam nodul de cost minim care nu a fost luat inca in consideratie => 6 sau 7

Fie 6

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nod | Formula | Valoare | Comparatie | Rezultat |
| 1 | C(3,6)+L(6,1) | 1+6=7 | 5<7 | Nu |
| 2 | C(3,6)+L(6,2) | 1+inf=inf | 5<inf | Nu |
| 4 | C(3,6)+L(6,4) | 1+inf=inf | 3<inf | Nu |
| 5 | C(3,6)+L(6,5) | 1+1=2 | 2<inf | Ruta noua |

Pas 2. Tabela de rute cunoscute

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2 | 4 | 5 | 6\* | 7 |
| Cost | 5 | 5 | 3 | 2 | 1 | 1 |

Identificam nodul de cost minim, care nu a fost inca luat =>7

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nod | Formula | Valoare | Comparatie | Rezultat |
| 1 | C(3,7)+C(7,1) | 1+6=7 | 5<7 | Nu |
| 2 | C(3,7)+C(7,2) | 1+4=5 | 5=5 | Nu |
| 4 | C(3,7)+C(7,4) | 1+inf=inf | 3<inf | Nu |
| 5 | C(3,7)+C(7,5) | 1+inf=inf | 2<inf | Nu |

Pas 3. Tabela de rute cunoscute

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2 | 4 | 5 | 6\* | 7\* |
| Cost | 5 | 5 | 3 | 2 | 1 | 1 |

Identificam nodul de cost minim, care nu a fost luat inca =>5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nod | Formula | Valoare | Comparatie | Rezultat |
| 1 | C(3,5)+C(5,1) | 2+5=7 | 5<7 | Nu |
| 2 | C(3,5)+C(5,2) | 2+inf=inf | 5<inf | Nu |
| 4 | C(3,5)+C(5,4) | 2+2=4 | 3<4 | Nu |

Pas 4.Tabela de rute cunoscute

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2 | 4 | 5\* | 6\* | 7\* |
| Cost | 5 | 5 | 3 | 2 | 1 | 1 |

Identificam nodeul de cost minim care nu a fost luat inca=>4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nod | Formula | Valoare | Comparatie | Rezultat |
| 1 | C(3,4)+C(4,1) | 3+3=6 | 3<6 | Nu |
| 2 | C(3,4)+C(4,2) | 3+1=4 | 4<5 | Cost minim nou |
| 5 | C(3,4)+C(4,5) | 3+2=5 | 5=5 | Nu |

Pas5.Tabela de rute cunoscute

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2 | 4\* | 5\* | 6\* | 7\* |
| Cost | 5 | 4 | 3 | 2 | 1 | 1 |

Identificam nodul de cost minim care nu a fost luat inca=>2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nod | Formula | Valoare | Comparatie | Rezultat |
| 1 | C(3,2)+C(2,1) | 4+2=6 | 5<6 | Nu |
| 4 | C(3,2)+C(2,4) | 4+1=5 | 4<5 | Nu |
| 5 | C(3,2)+C(2,5) | 4+inf=inf | 2<inf | Nu |

Pas6. Tabela de rute cunoscute

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nod | 1 | 2\* | 4\* | 5\* | 6\* | 7\* |
| Cost | 5 | 4 | 3 | 2 | 1 | 1 |