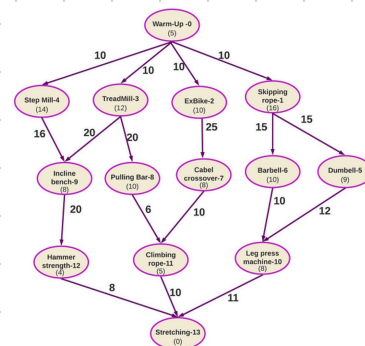


LABORATORIO #1

Algoritmo desinformado: Breadth - first search
(no considera costos)

- Frontera:

1. Warm Up - 0
2. Step Mill - 4⁰, TreadMill - 3⁰, ExBike - 2⁰, Skipping rope - 1⁰
3. TreadMill - 3⁰, Exbike - 2⁰, Skipping rope - 1⁰, Incline bench - 9⁴
4. Exbike - 2⁰, Skipping rope - 1⁰, Incline bench - 9⁴, Pulling bar - 8³
5. Skipping rope - 1⁰, Incline bench - 9⁴, Pulling bar - 8³, Cabel crossover - 7²
6. Incline bench - 9⁴, Pulling bar - 8³, Cabel crossover - 7², Barbell - 6¹, Dumbell - 5¹
7. Pulling bar - 8³, Cabel crossover - 7², Barbell - 6¹, Dumbell - 5¹, Hammer strength - 12⁹
8. Cabel crossover - 7², Barbell - 6¹, Dumbell - 5¹, Hammer strength - 12⁹, Climbing rope - 11^{8,7}
9. Barbell - 6¹, Dumbell - 5¹, Hammer strength - 12⁹, Climbing rope - 11^{8,7}
10. Dumbell - 5¹, Hammer strength - 12⁹, Climbing rope - 11^{8,7}, Leg press machine - 10^{6,5}



- Visitados:

1. []
2. [Warm Up - 0]
3. [Warm Up - 0, Step Mill - 4]
4. [Warm Up - 0, Step Mill - 4, TreadMill - 3]
5. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2]
6. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2, Skipping rope - 1]
7. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2, Skipping rope - 1, Incline bench - 9]
8. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2, Skipping rope - 1, Incline bench - 9, Pulling bar - 8]
9. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2, Skipping rope - 1, Incline bench - 9, Pulling bar - 8, Cabel Crossover - 7]
10. [Warm Up - 0, Step Mill - 4, TreadMill - 3, Exbike - 2, Skipping rope - 1, Incline bench - 9, Pulling bar - 8, Cabel Crossover - 7]

∴ Warm Up - 0 → Step Mill - 4 → Incline bench - 9 → Hammer strength - 12 → Stretching - 13
y su costo sería de: 54

Algoritmo informado: A*

- Frontera: (optimiza)

1. Warm Up - 0
2. Exbike - 2, Tread Mill - 3, Step Mill - 4, Skipping rope - 1
3. Tread Mill - 3, Step Mill - 4, Skipping rope - 1, Cabel crossover - 7
4. Step Mill - 4, Skipping rope - 1, Cabel crossover - 7, Pulling bar - 8
5. Skipping rope - 1, Cabel crossover - 7, Pulling bar - 8, Incline bench - 9
6. Cabel crossover - 7, Pulling bar - 8, Incline bench - 9, Barbell - 6, Dumbell - 5
7. Pulling bar - 8, Incline bench - 9, Barbell - 6, Dumbell - 5, Climbing rope - 11
8. Incline bench - 9, Barbell - 6, Dumbell - 5, Climbing rope - 11
9. Barbell - 6, Dumbell - 5, Climbing rope - 11

- Visitados:

1. []
2. [Warm Up - 0]
3. [Warm Up - 0, Exbike - 2]
4. [Warm Up - 0, Exbike - 2, Tread Mill - 3]
5. [Warm Up - 0, Exbike - 2, Tread Mill - 3, Step Mill - 4]
6. [Warm Up - 0, Exbike - 2, Tread Mill - 3, Step Mill - 4, Skipping rope - 1]
7. [Warm Up - 0, Exbike - 2, Tread Mill - 3, Step Mill - 4, Skipping rope - 1, Cabel crossover - 7]
8. [Warm Up - 0, Exbike - 2, Tread Mill - 3, Step Mill - 4, Skipping rope - 1, Cabel crossover - 7, Pulling bar - 8]
9. [Warm Up - 0, Exbike - 2, Tread Mill - 3, Step Mill - 4, Skipping rope - 1, Cabel crossover - 7, Pulling bar - 8, Incline bench - 9]

∴ Warm Up - 0 → Skipping rope - 1 → Barbell - 6 → Leg press machine 10 → Stretching - 13
y su costo sería de: 46