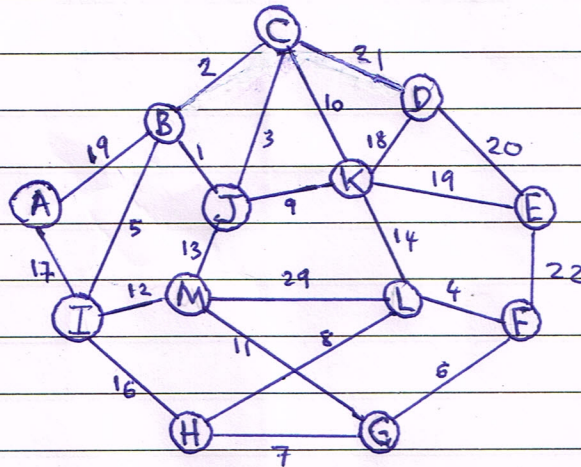


Identify the minimum weight for the following graph by using Prim's algorithm.

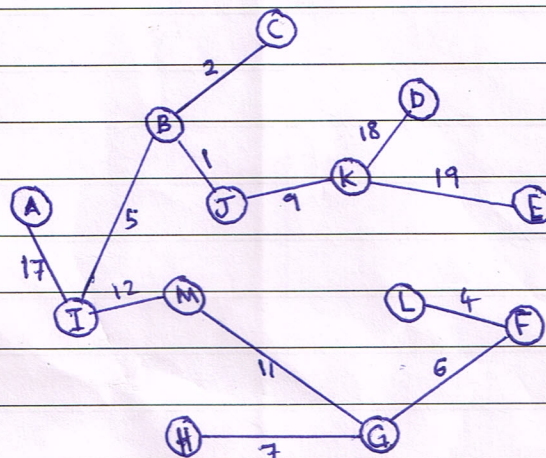
Original Graph:



| Edges  | LM  | EF  | CD  | DE  | AB  | EK | DK | AI | HI  | KL  | JM  | IM | GM | CK  | JK | HL  |
|--------|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|----|----|-----|----|-----|
| Weight | 29  | 22  | 21  | 20  | 19  | 19 | 18 | 17 | 16  | 14  | 13  | 12 | 11 | 10  | 9  | 8   |
| Delete | Yes | Yes | Yes | Yes | Yes | No | No | No | Yes | Yes | Yes | No | No | Yes | No | Yes |

| Edges  | GH | FG | BI | FL | CJ  | BC | BJ | Total Weight: 111 |
|--------|----|----|----|----|-----|----|----|-------------------|
| Weight | 7  | 6  | 5  | 4  | 3   | 2  | 1  |                   |
| Delete | No | No | No | No | Yes | No | No |                   |

After Delete:



Grand job  
25/11/19