9.7 Ilustre la ejecución del algoritmo de ordenación por selección en lal siguiente secuencia de entrada (22, 15, 36, 44, 10, 3, 9, 13, 29, 25)

|  |  |  |
| --- | --- | --- |
| Input | Secuence S  (22, 15, 36, 44, 10, 3, 9, 13, 29, 25) | Priority Queue () |
| Phase 1(a) | (15, 36, 44, 10, 3, 9, 13, 29, 25) | 22 |
| (b) | (36, 44, 10, 3, 9, 13, 29, 25) | 22, 15 |
| (c) | (44, 10, 3, 9, 13, 29, 25) | 22, 15, 36 |
| (d) | (10, 3, 9, 13, 29, 25) | 22, 15, 36, 44 |
| (e) | (3, 9, 13, 29, 25) | 22, 15, 36, 44, 10 |
| (f) | (9, 13, 29, 25) | 22, 15, 36, 44, 10, 3 |
| (g) | (13, 29, 25) | 22, 15, 36, 44, 10, 3, 9 |
| (h) | (29, 25) | 22, 15, 36, 44, 10, 3, 9, 13 |
| (i) | (25) | 22, 15, 36, 44, 10, 3, 9, 13, 29 |
| (j) | () | 22, 15, 36, 44, 10, 3, 9, 13, 29, 25 |
| Phase 2(a) | (3) | 22, 15, 36, 44, 10, 3, 9, 13, 29, 25 |
| (b) | (3, 9) | 22, 15, 36, 44, 10, 9, 13, 29, 25 |
| (c) | (3, 9, 10) | 22, 15, 36, 44, 13, 29, 25 |
| (d) | (3, 9, 10, 13) | 22, 15, 36, 44, 29, 25 |
| (e) | (3, 9, 10, 13, 15) | 22, 36, 44, 29, 25 |
| (f) | (3, 9, 10, 13, 15, 25) | 22, 36, 44, 29 |
| (g) | (3, 9, 10, 13, 15, 25, 22) | 36, 44, 29 |
| (h) | (3, 9, 10, 13, 15, 25, 22, 29) | 36, 44 |
| (i) | (3, 9, 10, 13, 15, 25, 22, 29, 36) | 36 |
| (j) | (3, 9 , 10, 13, 15, 25, 22, 29, 36, 44) | () |