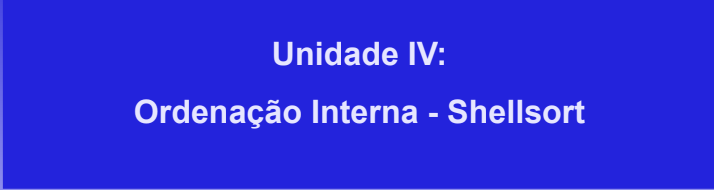
Trabalho Teórico 7



Slide C.

Mostre todas as comparações e movimentações do algoritmo anterior para o array abaixo:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 4 | 8 | 2 | 14 | 17 | 6 | 18 | 10 | 16 | 5 | 15 | 13 | 9 | 1 | 11 | 7 | 3 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Before Shell Sort  Vector {12,4,8,2,14,17,6,18,10,16,15,5,13,9,1,11,7,3}    |Key|--------9--------|  Compare -> 12<- ->9  |Key|--------1--------|  Compare -> 4<- ->1  |Key|--------11--------|  Compare -> 8<- ->11  |Key|--------7--------|  Compare -> 2<- ->7  |Key|--------3--------|  Compare -> 14<- ->3  Vector {9,1,8,2,3,17,6,18,10,16,15,5,13,12,4,11,7,14}    |Key|--------3--------|  Compare -> 9<- ->3  |Key|--------10--------|  Compare -> 9<- ->10  |Key|--------13--------|  Compare -> 10<- ->13  |Key|--------7--------|  Compare -> 13<- ->7  Compare -> 10<- ->7  Compare -> 9<- ->7  Compare -> 3<- ->7  |Key|--------17--------|  Compare -> 1<- ->17  |Key|--------1--------|  Compare -> 3<- ->1  |Key|--------4--------|  Compare -> 3<- ->4  |Key|--------2--------|  Compare -> 4<- ->2  Compare -> 3<- ->2  Compare -> 1<- ->2  |Key|--------7--------|  Compare -> 4<- ->7  |Key|--------12--------|  Compare -> 7<- ->12  |Key|--------6--------|  Compare -> 12<- ->6  Compare -> 7<- ->6  Compare -> 4<- ->6  |Key|--------5--------|  Compare -> 12<- ->5  Compare -> 7<- ->5  Compare -> 6<- ->5  Compare -> 4<- ->5  |Key|--------9--------|  Compare -> 12<- ->9  Compare -> 7<- ->9  |Key|--------14--------|  Compare -> 12<- ->14  |Key|--------8--------|  Compare -> 14<- ->8  Compare -> 12<- ->8  Compare -> 9<- ->8  Compare -> 7<- ->8  |Key|--------11--------|  Compare -> 14<- ->11  Compare -> 12<- ->11  Compare -> 9<- ->11  |Key|--------10--------|  Compare -> 14<- ->10  Compare -> 12<- ->10  Compare -> 11<- ->10  Compare -> 9<- ->10  |Key|--------16--------|  Compare -> 14<- ->16  |Key|--------15--------|  Compare -> 16<- ->15  Compare -> 14<- ->15  |Key|--------18--------|  Compare -> 16<- ->18 | | | | | | | | | |Key|--------16--------|  Compare -> 17<- ->16  Compare -> 1<- ->16  |Key|--------12--------|  Compare -> 17<- ->12  Compare -> 16<- ->12  Compare -> 1<- ->12  |Key|--------14--------|  Compare -> 17<- ->14  Compare -> 16<- ->14  Compare -> 12<- ->14  |Key|--------6--------|  Compare -> 8<- ->6  |Key|--------15--------|  Compare -> 8<- ->15  |Key|--------4--------|  Compare -> 15<- ->4  Compare -> 8<- ->4  Compare -> 6<- ->4  |Key|--------18--------|  Compare -> 2<- ->18  |Key|--------5--------|  Compare -> 18<- ->5  Compare -> 2<- ->5  |Key|--------11--------|  Compare -> 18<- ->11  Compare -> 5<- ->11  Vector {3,1,4,2,7,12,6,5,9,14,8,11,10,16,15,18,13,17}  |Key|--------13--------|  Compare -> 18<- ->13  Compare -> 16<- ->13  Compare -> 15<- ->13  Compare -> 14<- ->13  Compare -> 12<- ->13  |Key|--------17--------|  Compare -> 18<- ->17  Compare -> 16<- ->17  Vector {1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18}    After Shell Sort  Vector {1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18} | | | | | | | | |