

JOB SEQUENCING WITH DEADLINE

Algorithm JS(d, j, n)

```
{
    d[0] := j[0] := 0;
    j[1] := 1;
    k := 1;
    for i := 2 to n do
    {
        r := k;
        while((d[j[r]] > d[i]) and (d[j[r]] != r)) do
            r := r - 1;
        if((d[j[r]] <= d[i]) and (d[i] > r)) then
        {
            for q := k to r+1 by -1 do
                j[q+1] := j[q];
            j[r+1] := i;
            k := k + 1;
        }
    }
    return(k);
}
```