

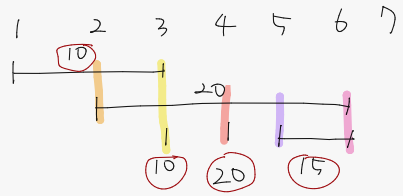
# The Algorithm Design Canvas

Problem name: 14501 퇴사



<div>Constraints</div> <div><math>1 \leq N \leq 15</math> <math>1 \leq T_i \leq 5</math> <math>1 \leq P_i \leq 1,000</math></div>		<div>Code</div> <div><pre>&lt;/&gt;for (int i=1; i&lt;=n; i++) {      if(1+t&gt;n) {         continue;     }      int preMax=IntStream(0,i).mapObj(x-&gt;arr[x])         .max((x1,x2)-&gt;x1.compareTo(x2))         .orElse(0);      if(arr[i+t]==0){         arr[i+t]= p + preMax;         continue;     }      if(arr[i+t]&gt;0){         arr[i+t]=Math.max(arr[i+t], p+preMax);         continue;     }  }</pre></div>	
<div>Ideas</div>			
만약을 증가시켜 가면서 시작알+t가 되었을때 값이 왔으면 MAX값비교, 값이 없으면 바로넘어준다			
<div>Test Cases</div> <div>7 3 10 5 20 1 10 1 20    <math>\Rightarrow 45</math> 2 15 4 40 2 200</div>			

	1	2	3	4	5	6	7
$T_i$	3	5	1	1	2	4	2
$P_i$	10	20	10	20	15	40	200



$$D[1] = 0$$

$$D[2] = \text{Max}(D[1], D[2]) = 0 \quad \rightarrow 10$$

$$D[3] = \text{Max}(\text{Max}(D[1] \sim D[2]), D[3]) = 10 \quad \rightarrow 0$$

$$D[4] = \text{Max}(\text{Max}(D[1] \sim D[3]), D[4]) = 30 \quad \rightarrow 10$$

$$D[5] = \text{Max}(\text{Max}(D[1] \sim D[4]), D[5]) = 30 \quad \rightarrow 30$$

$$D[6] = \text{Max}(\text{Max}(D[1] \sim D[5]), D[6]) = 45 \quad \rightarrow 30 \quad \rightarrow 15$$