Review) You can use a host the save idea as for the power set: Those . K-subsets: partition solution space into (H ⊆ S1 x ∈ H) and (H ⊆ S1 x ∈ H).

Kx

Kx How to compute K_{\times} ? Such radia a recursive call: $\overline{K}_{x} = (ksub)(S(1x), k)$ How to compute Kx? First compute ksul(S\{x}) k-1) and then add x to all of the regulthy sets. Base case? if k > 151, return {} if k == 0, return ((3) Suy k=2. Ld x=1. Example

Find result: {2,3}, {2,4), {3,4}, (1,2), (1,3), (1,4) Recusion tree for the above? 5= {1,2,3,4},6:2 $(5 | \{i, i\}, 2\} \qquad (5 | \{i, i\}, 1) \in \{\{i\}\}$ $(5 | \{i, i\}, 2\} \qquad (5 | \{i, i\}, 1) \qquad (6 | \{i\}, 1)$ It's setting a little nessy. I'll leave the rest as an exercise.