fmal v6

hir12

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```
1
(*
Notkun: powerList i j
Fyrir: i, j eru heiltölur.
	ext{Gildi: Listi lista } [x1;x2;\ldots;xN] 	ext{ sem inniheldur alla undirlista lista}
allra heiltalna k p.a. i <= k <= j, i vaxandi r\"{o}\~{o}. Ef i <= j p\'{a} er
útkoman allir undirlistar listans [i;i+1;...;j].
Ef i > j þá er útkoman [[]].
*)
let rec powerList i j =
    if i > j then [[]]
        else
            map(fun x -> i::x)(powerList(i+1)j)
            (powerList(i+1)j)
powerList 3 6;;
powerList 10 13;;
(* output *)
powerList : int -> int -> int list list = <fun>
#- : int list list =
[[3; 4; 5; 6]; [3; 4; 5]; [3; 4; 6]; [3; 4]; [3; 5; 6]; [3; 5]; [3; 6];
  [3]; [4; 5; 6]; [4; 5]; [4; 6]; [4]; [5; 6]; [5]; [6]; []]
#- : int list list =
[[10; 11; 12; 13]; [10; 11; 12]; [10; 11; 13]; [10; 11]; [10; 12; 13];
  [10; 12]; [10; 13]; [10]; [11; 12; 13]; [11; 12]; [11; 13]; [11]; [12; 13];
  [12]; [13]; []]
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