

**choose**<sup>13,42</sup>

$\text{choose}(n;i)$   
 $\equiv_{\text{def}} \text{if } (i =_0 0) \vee_b (i =_0 n) \text{ then } 1 \text{ else } \text{choose}(n - 1; i - 1) + \text{choose}(n - 1; i) \text{ fi}$   
*(recursive)*