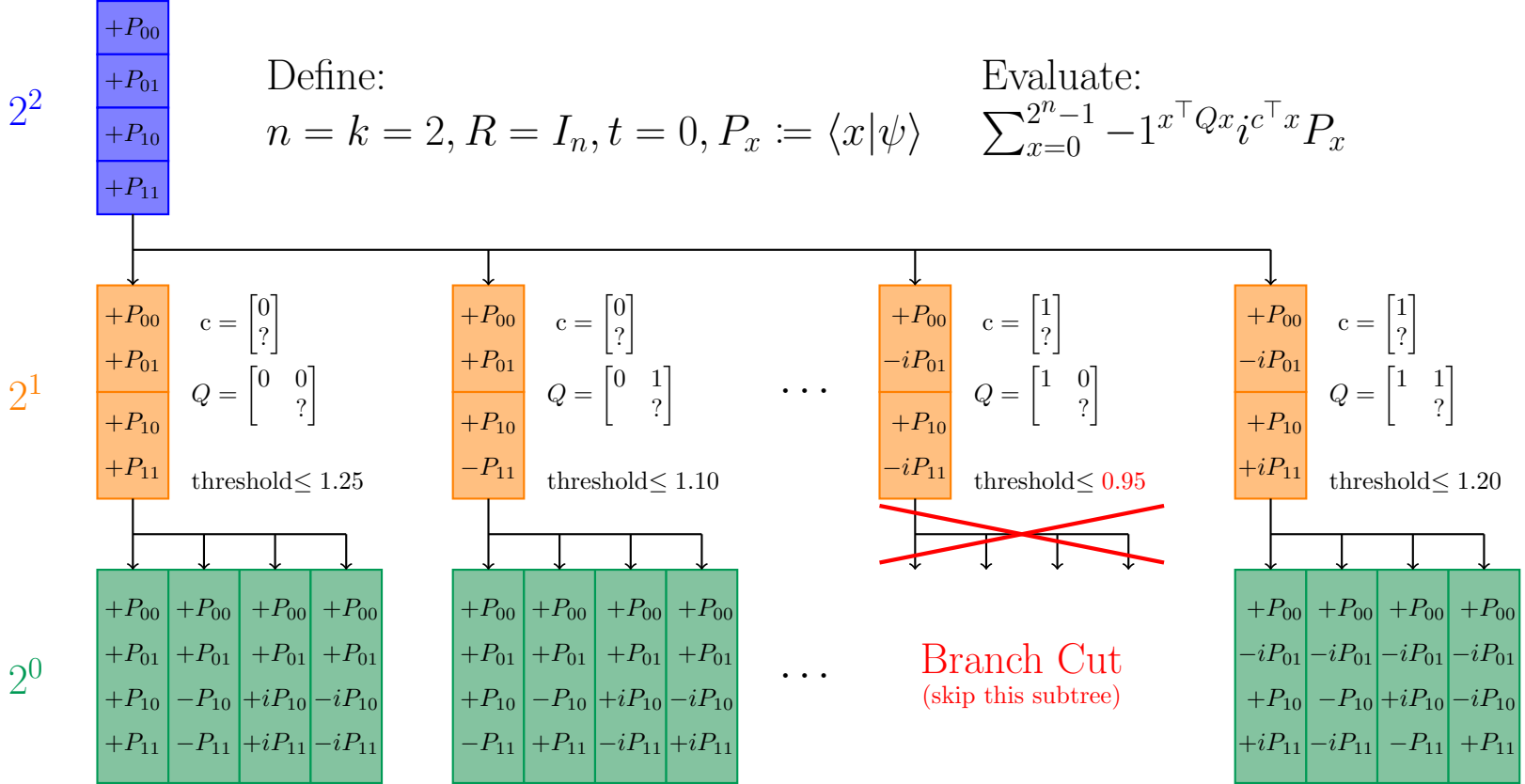
2^2
$+P_{00}$
$+P_{01}$
$+P_{10}$
$+P_{11}$
Define:
$n = k = 2, R = I_n, t = 0, P_x := \langle x|\psi\rangle$
Evaluate:
$\sum_{x=0}^{2^n-1} -1^{x^\top Q x} i^{c^\top x} P_x$
2^1
$+P_{00}$
$+P_{01}$
$+P_{10}$
$+P_{11}$
$c = \begin{bmatrix} 0 \\ ? \end{bmatrix}$
$Q = \begin{bmatrix} 0 & 0 \\ & ? \end{bmatrix}$
threshold≤ 1.25
$+P_{00}$
$+P_{01}$
$-P_{10}$
$-P_{11}$
$c = \begin{bmatrix} 0 \\ ? \end{bmatrix}$
$Q = \begin{bmatrix} 0 & 1 \\ & ? \end{bmatrix}$
threshold≤ 1.10
$\cdots$
$+P_{00}$
$-iP_{01}$
$+P_{10}$
$-iP_{11}$
$c = \begin{bmatrix} 1 \\ ? \end{bmatrix}$
$Q = \begin{bmatrix} 1 & 0 \\ & ? \end{bmatrix}$
threshold≤ 0.95
$+P_{00}$
$-iP_{01}$
$+P_{10}$
$+iP_{11}$
$c = \begin{bmatrix} 1 \\ ? \end{bmatrix}$
$Q = \begin{bmatrix} 1 & 1 \\ & ? \end{bmatrix}$
threshold≤ 1.20
2^0
$+P_{00}$ $+P_{00}$ $+P_{00}$ $+P_{00}$
$+P_{01}$ $+P_{01}$ $+P_{01}$ $+P_{01}$
$+P_{10}$ $-P_{10}$ $+iP_{10}$ $-iP_{10}$
$+P_{11}$ $-P_{11}$ $+iP_{11}$ $-iP_{11}$
$+P_{00}$ $+P_{00}$ $+P_{00}$ $+P_{00}$
$+P_{01}$ $+P_{01}$ $+P_{01}$ $+P_{01}$
$+P_{10}$ $-P_{10}$ $+iP_{10}$ $-iP_{10}$
$-P_{11}$ $+P_{11}$ $-iP_{11}$ $+iP_{11}$
$\cdots$
Branch Cut
(skip this subtree)
$+P_{00}$ $+P_{00}$ $+P_{00}$ $+P_{00}$
$-iP_{01}$ $-iP_{01}$ $-iP_{01}$ $-iP_{01}$
$+P_{10}$ $-P_{10}$ $+iP_{10}$ $-iP_{10}$
$+iP_{11}$ $-iP_{11}$ $-P_{11}$ $+P_{11}$