[scale=.4] [node] (n1) at (0,0) m_1 ; [node] (n2) at (4,3) m_2 ; [node] (n3) at (8,0) m_3 ; [node] (n4) at (12,-3) m_4 ; [node] (n6) at (24,6) m_7 ; [node] (n8) at (28,0) m_8 ; [node] (n9) at (-8,0) m_9 ; [node] (n10) at (-4,3) m_{10} ; [node] (n11) at (-8,-3) m_{11} ; [node] (n12) at (-12,-6) m_{12} ; [node] [edge, _abel=north=0@[0;15]] (n7) - +(0,-1); [edge, label=north=0@[0;n,10*n+5]] (n7) - +(-2,-1); $\frac{1}{\sqrt{1}}$ in $\frac{1}{1}$ - $\frac{10}{1}$ (0, 2/2/- $\frac{10}{1}$ (0.0), 3/3/- $\frac{10}{1}$ (0.0), 4/4/- $\frac{10}{1}$ (0.0), 5/5/- $\frac{10}{1}$ (0.0), 6/6/- $\frac{10}{1}$ $/ \ln 1/2, 2/3, ..., 7/8$ [edge, dashed, red] (n) - ++(l,-) node[label=south]=0; [edge, dashed, red] (n-) - ++(l,-); $\frac{1}{\sqrt{1}}$ in $\frac{1}{1}$ - $\frac{10}{-1}$ c $\frac{22}{-10}$ in $\frac{1}{0}$ c $\frac{33}{-10}$ in $\frac{1}{0}$ c $\frac{44}{-10}$ in $\frac{1}{0}$ c $\frac{55}{-10}$ in $\frac{1}{0}$ c $\frac{66}{-10}$ in $\frac{1}{0}$ c $\frac{1}{10}$ c $\frac{1}$ $/ \ln 1/2, 2/3, ..., 7/8$ [edge, dashed, red] (n) - ++(1,-) node[label=south]=0; [edge, dashed, red] (n-) - ++(1,-); /1//4//in 1/1/-/10/-/, 2/2/-/10/-/, 3/3/-/10/-/, 4/4/-/10/-/, 5/5/-/10/-/, 6/6/-/10/-/, 7/7/-/10/-/, 8/8/-/10/-/, $[edge] \ (n1) - (n); \ [edge] \ (n-) - (n-); \ [edge] \ (n-) - (n-); \ [edge] \ (n-) - (n-); \ [edge] \ (n-) - (n-);$