Fig. 9. Backtracking tree search to find a homomorphism from $R = [(1,2),(2,3),(3,4),(4,2)]$ to $S = [(a,c),(c,b),(b,d),(d,c),(a,e)]$. $\times$ under a node indicates failure. The only homomorphism found is with $f = [(1,a),(2,c),(3,b),(4,d)].$
number of consistency tests in the average of 5 runs of the indicated programs, random with consistency check probability $p = 0.65$ and number of units = number of such random relation is tested on all 6 methods, using the same 5 different relations.