



Figure 16.4: This graph implies that  $p(a, b, c, d, e, f)$  can be written as  $\frac{1}{Z} \phi_{a,b}(a, b) \phi_{b,c}(b, c) \phi_{a,d}(a, d) \phi_{b,e}(b, e) \phi_{e,f}(e, f)$  for an appropriate choice of the  $\phi$  functions.