



common cathode

$$a = C + A + B'D' + BD$$

$$b = B' + C'D' + CD$$

$$c = C' + D + B$$

$$d = A + B'D' + B'C + CD' + BC'D$$

$$e = B'D' + CD'$$

$$f = A + C'D' + BC' + BD'$$

$$g = A + B'C + CD' + BC'$$