(4,4) ->{(a,a)}

(4,2) ->{(a,b)}

(4,1) ->{(a,c), (a,d), (a,e), (a,g), (a,i)}

(2,2) ->{(b,b)}

(2,1) ->{(b,c), (b,d), (b,e), (b,g), (b,i)}

(1,1) ->{(c,c), (c,d), (c,e), (c,g), (c,i),

(d,c), (d,d), (d,e), (d,g), (d,i),

(e,c), (e,d), (e,e), (e,g),

(e,i), (g,c), (g,d), (g,e),

(g,g), (g,i), (i,c), (i,d),

(i,e), (i,g), (i,i)}

(1,2) ->{(c,b), (d,b), (e,b), (g,b), (i,b)}

(1,3) ->{(c,j), (d,j), (e,j), (g,j), (i,j)}

(5,4) ->{(f,a), (h,a), (k,a)}

(5,5)->{(f,f), (f,h), (f,k), (h,f), (h,h), (h,k), (k,f), (k,h), (k,k)}

(3,1) ->{(j,c), (j,d), (j,e), (j,g), (j,i)}

(3,5) -> {(j,f), (j,h), (j,k)}

(3,3) -> {(j,j)}