Enercise 2.1

(g) | 0 0 1 | 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1 2 0 | 1

-0 | 1 6 0 | +0 | 1 6 2 | 1 1 -2 |

= 2 | 2 0 | - 0 | 1 0 | + 1 | 12 | = 2 × 6 + (-4) = 8

-3 2 -2 1 +0 -1 -2 1 2 3 1 -3 3 1

- (2 | 2 | | - | - | | + | - | 2 |)

= 20

= -3 (|-1 | -2 | 2 | + | 1 - 2 |

+ (2 | 2 - 2 | - | -1 - 2 | + 2 | -1 | 2 |)

= -1 [(-2-3) -2×0+(6+4)] - [2x0-2+4]+[2xlo+ P+2x4]

-1 -1 2 1 +1 -1 2 -1 2 -1 -3 2 3

4.

11.

(c) 0

(d) 0

(c) dep(AB)= detUBA)

Exercise 2.2

(a) det (A+B) = det(1) + det(B) (b) dor(AB) = der(A)(Objects)

= an dot (An) - an an an

= ander(an)-ander(B)

Nort(N') = |x}x2x 5 = 30

Her(A) = 30

18.0) det (E) = | It Oboco-+, | Och-Kirk Bun-Hiren-Ki

= | | Bin-kirin-k)

= det(B)

= 1 [k-1 O(k-1)-(n-k)]
Quaphless | B(n-k)-(n-k)

11. A'+1:0=> A2-1=> der(A2)= der(-2)= (-1) over(1)=(-1)

=>(det (4))2 = (~1) h