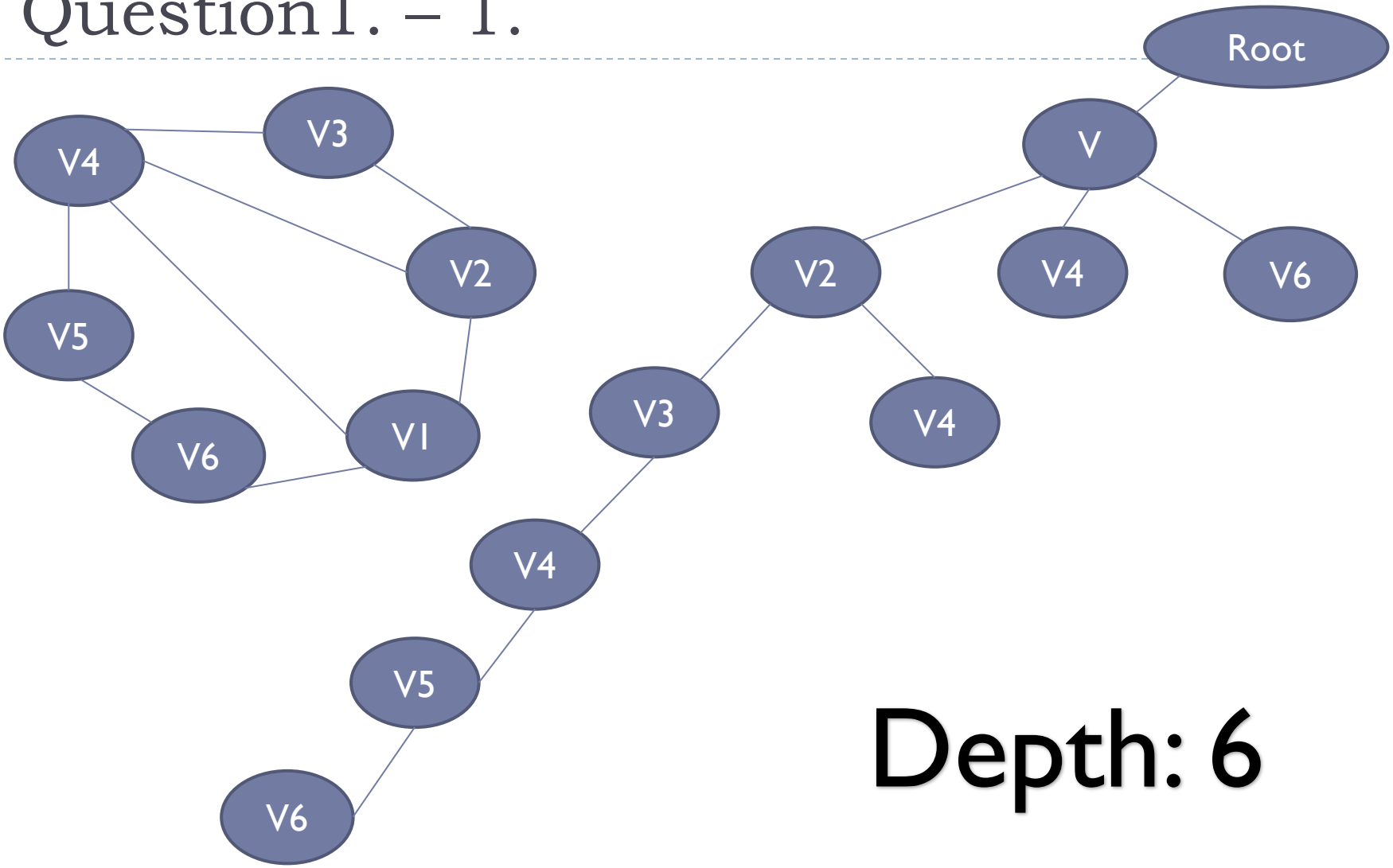
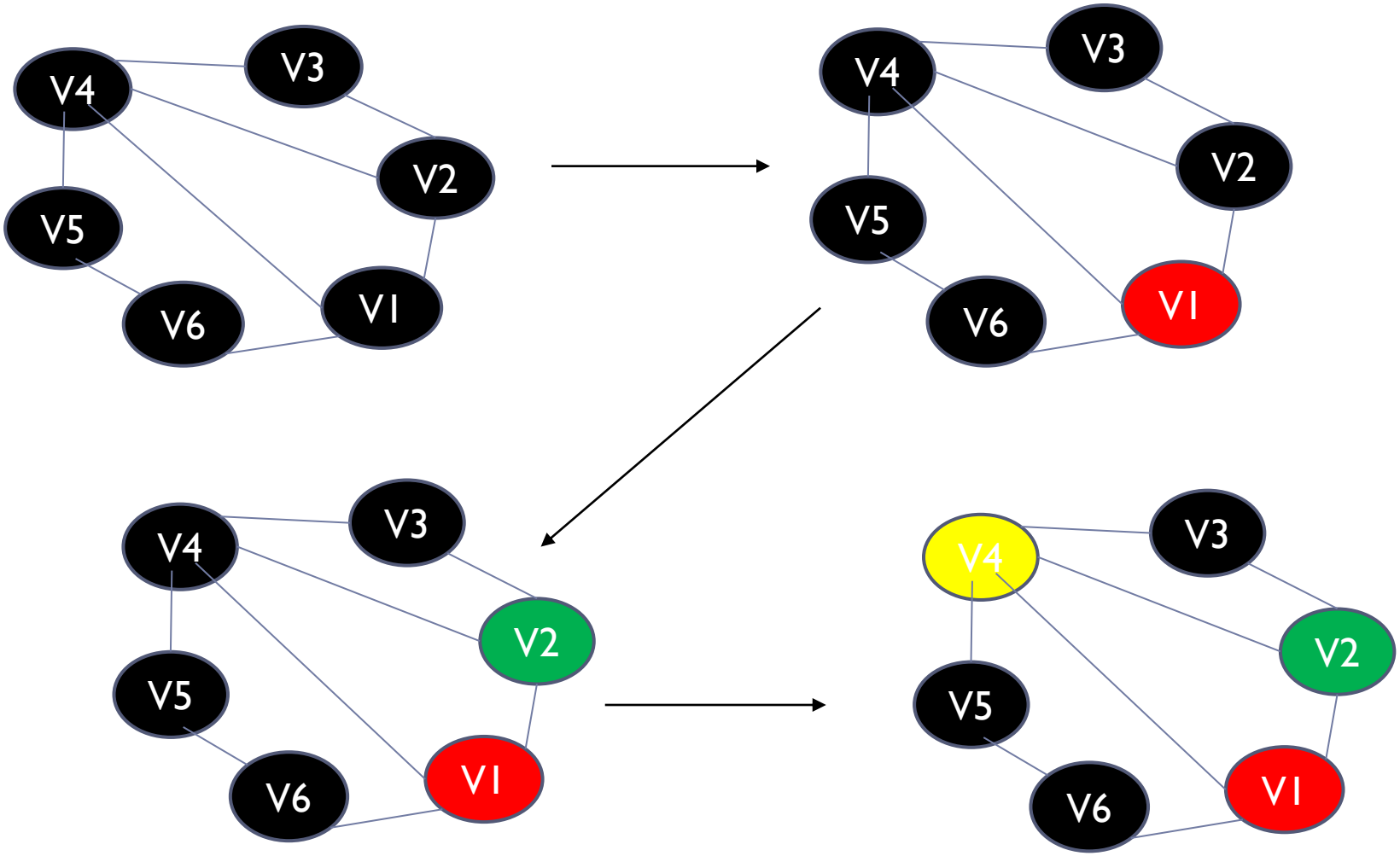
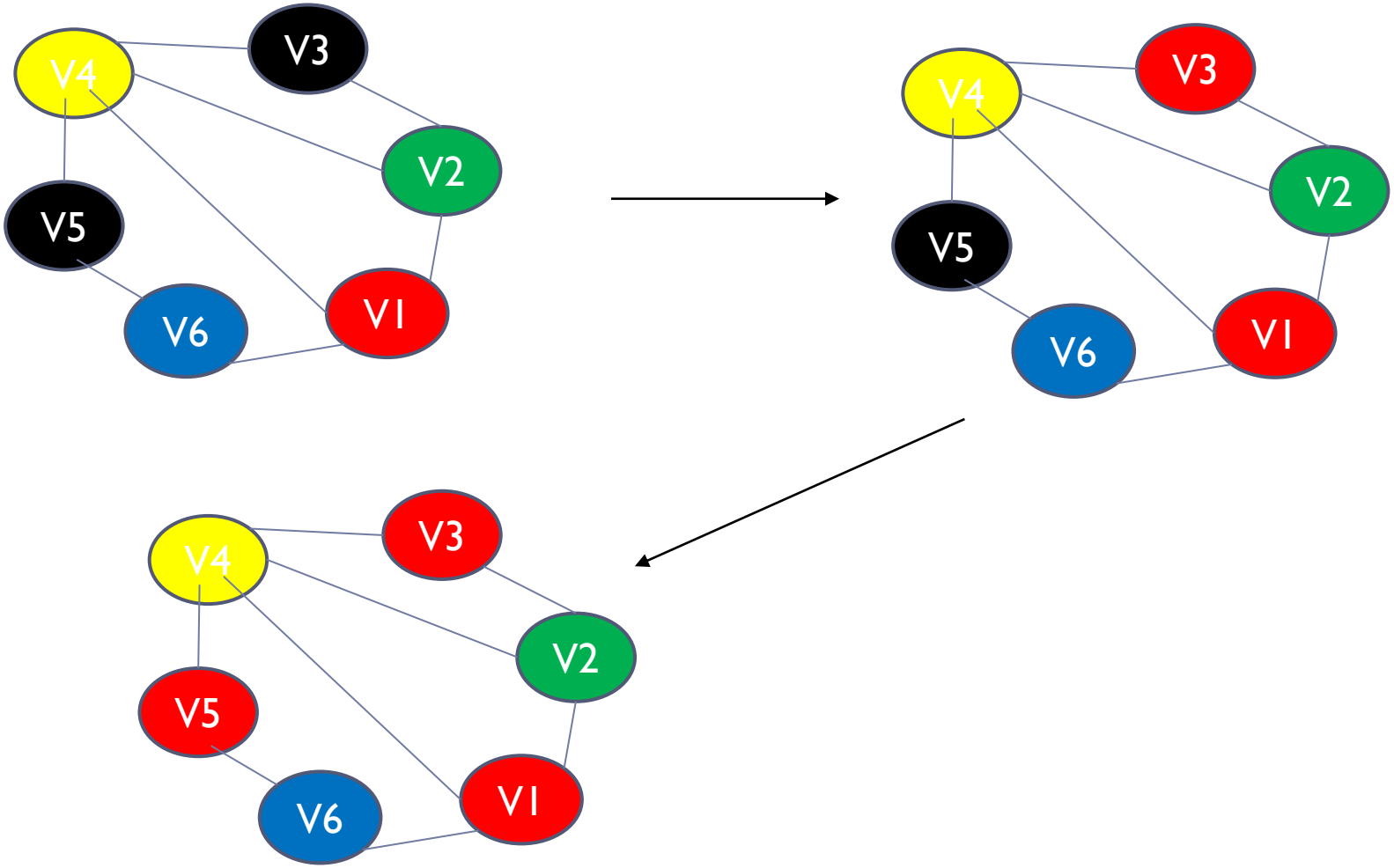
Question1. – 1.



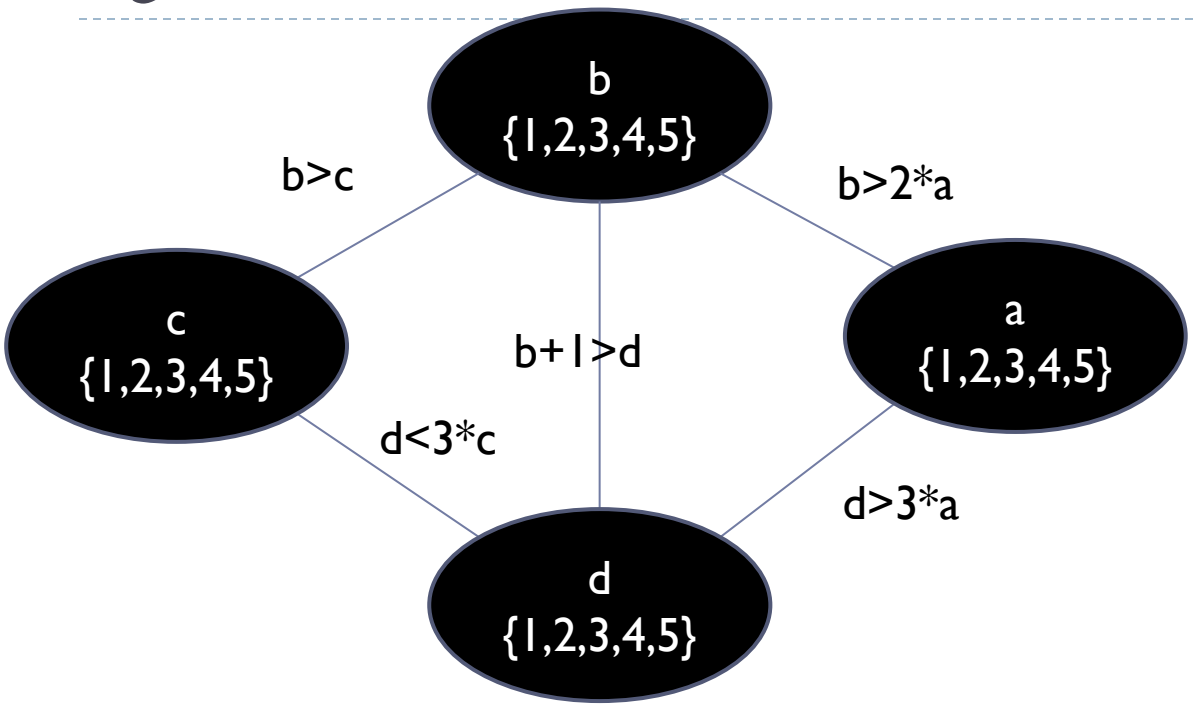
Depth: 6

Question1. – 2.



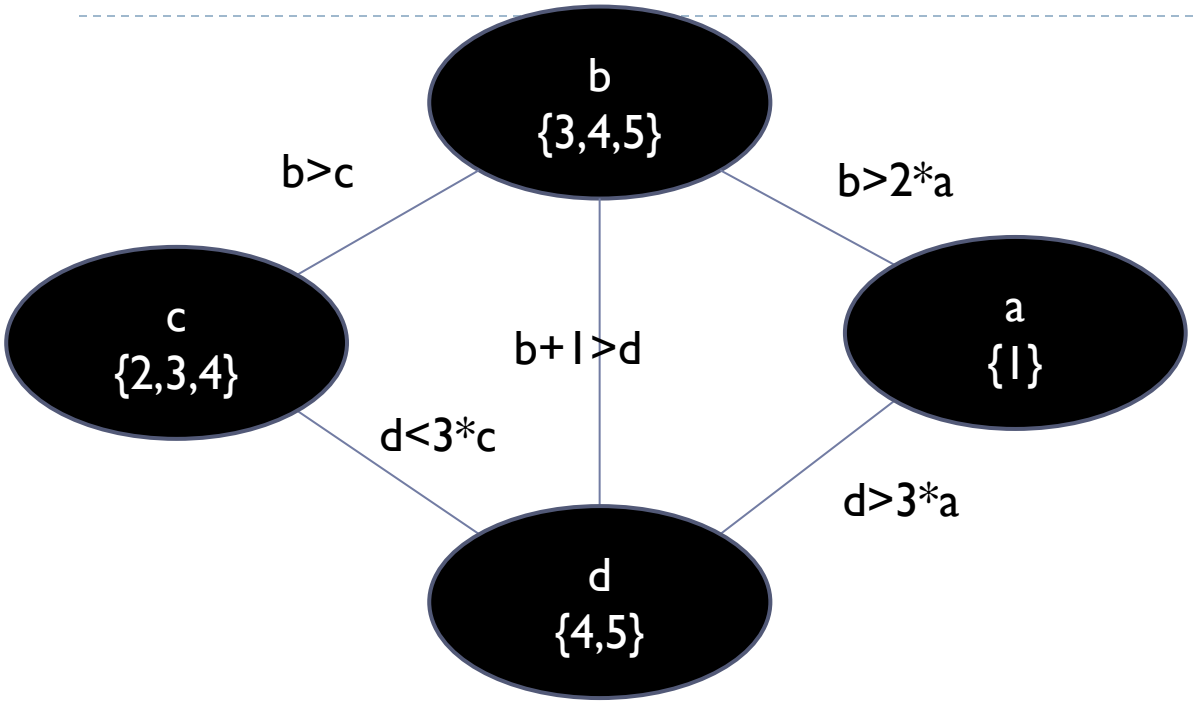

V4
V3
V2
V5
V6
V1
V4
V3
V2
V5
V6
V1
V4
V3
V2
V5
V6
V1

Question2..



Queue
(a,b) – a->{1,2}
(b,a) – b->{3,4,5}
(a,d) – a->{1}
(d,a) – d->{4,5}
(b,d) – b->{3,4,5}
(d,b) – d->{4,5}
(b,c) – b->{3,4,5}
(c,b) – c->{1,2,3,4}
(c,d) – c->{2,3,4}
(d,c) – d->{4,5}

Result:



Queue
(a,b) – a->{1,2}
(b,a) – b->{3,4,5}
(a,d) – a->{1}
(d,a) – d->{4,5}
(b,d) – b->{3,4,5}
(d,b) – d->{4,5}
(b,c) – b->{3,4,5}
(c,b) – c->{1,2,3,4}
(c,d) – c->{2,3,4}
(d,c) – d->{4,5}