# Ex1:

|  |
| --- |
| = ?  = ? |

# Answer:

 = ?

|  |
| --- |
| Step 1: X+ = AB  Step 2:  Lần 1:   * A-> C => AB hợp C = ABC * A -> EG => ABC hợp EG = ABCEG * B -> D => ABCEG hợp D = ABCDEG * G -> E => ABCDEG   Lần 2: Stop.  Step 3: X+ = {A,B,C,D,E,G} |

===========================

 = ?

|  |
| --- |
| Step 1: Y+= CDG  Step 2:  Lần 1:   * A-> C => CDG * A -> EG => CDG * B -> D => CDG * G -> E => CDG hợp E = CDEG   Lần 2: Stop.  Step 3: Y+ = {C,D,E,G} |

# Ex 2:

|  |
| --- |
| 1. =? 2. =? 3. =? |

# Answer:

1.  =?

|  |
| --- |
| Step 1: B+ = B  Step 2:  Lần 1:   * B -> A =>B hợp A = AB * DA -> CE => AB * D -> H => AB * GH -> C => AB * AC -> D => AB   Lần 2: Stop.  Step 3: B+ = {A,B} |

1.  =?

|  |
| --- |
| Step 1: H+ = H  Step 2:  Lần 1: Stop.  Step 3: H+ = {H} |

1.  =?

|  |
| --- |
| Step 1: BC+ = BC  Step 2:  Lần 1:   * B -> A =>BC hợp A = ABC * DA -> CE =>ABC * D -> H =>ABC * GH -> C => ABC * AC -> D => ABC hợp D = ABCD   Lần 2:   * DA -> CE => ABCD hợp E = ABCDE * D -> H =>ABCE hợp H = ABCDEH * GH -> C => ABCDEH   Lần 3: Stop.  Step 3: BC+ = {A,B,C,D,E,H} |

# Ex 3:

|  |
| --- |
| X = {BD}  = ? |

# Answer:

|  |
| --- |
| Step 1: X+ = BD  Step 2:  Lần 1:   * AB ->C =>BD * D -> EG=> BD hợp EG = BDEG * C-> A => BDEG * BE -> C => BDEG hợp C = BCDEG * BC -> D => BDEG * CG->BD => BDEG * ACD->B => BDEG * CE->AG => BDEG hợp A = ABDEG   Lần 2: Stop.  Step 3: X+ = {A,B,C,D,E,G} |

# EX 4:

|  |
| --- |
| **{AD}+ = ?** |

# Answer:

|  |
| --- |
| Step 1: AD+= AD  Step 2:  Lần 1:   * A->B => AD hợp B = ABD * B -> C=> ABD hợp C = ABCD * BC -> D => ABCD * DA -> B => ABCD   Lần 2: Stop.  Step 3: AD+ = {A,B,C,D} |

# Ex 5:

|  |
| --- |
| **X+ = ?** |

# Answer:

|  |
| --- |
| Step 1: X+ = BD  Step 2:  Lần 1:   * AB -> C => BD * BC -> D=> BD * D -> EG => BD hợp EG = BDEG   Lần 2: Stop.  Step 3: X+ = {B,D,E,G} |

# Ex 6:

|  |
| --- |
| **Key : U = ?** |

# Answer:

|  |
| --- |
| Step 1: K = U+ => K = ABCDEFG  Step 2:   * + (K\A)+ = (BCDEFG)+ = U+ => K = BCDEFG (B->A)   + (K\B)+ = (CDEFG)+ = U+ => K =CDEFG (D->BE)   + (K\C)+ = (DEFG)+ = U+ => K = DEFG (D->C)   + (K\D)+ = (EFG)+ != U+=> K = DEFG   + (K\E)+ = (DFG)+ = U+=> K = DFG (D->BE)   + (K\F)+ = (DG)+ != U+ => K = DFG   + (K\G)+ = (DF)+ = U+ => K = DF (DF->G)   Step 3: Key U = DF |