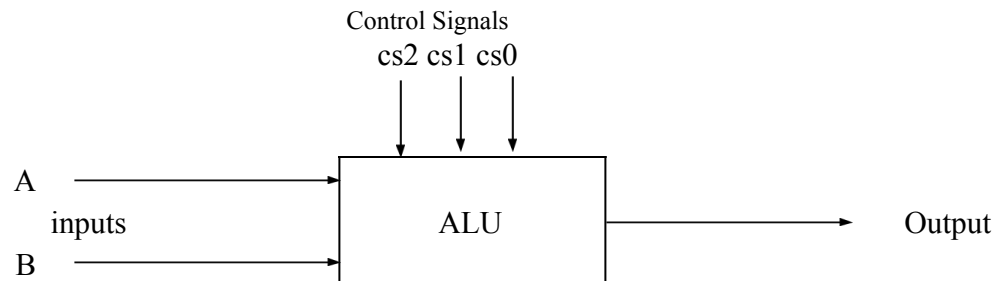


For Section A1

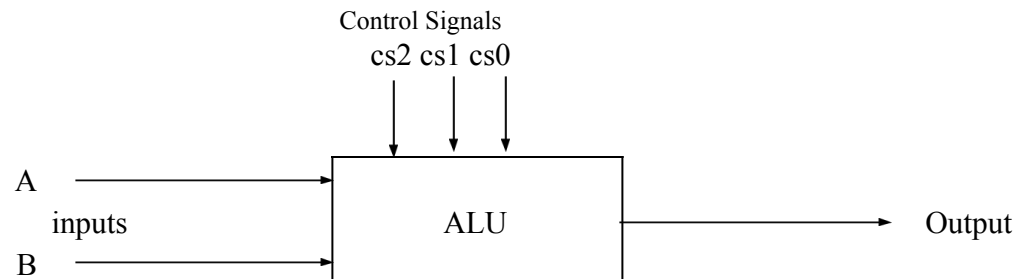
| cin | | | Functions for | | | |
|-----|-----|-----|----------------|----------------------|----------------------|----------------|
| cs2 | cs1 | cs0 | Group 1 | Group 2 | Group 3 | Group 4 |
| 0 | 0 | 0 | Transfer A | Subtract with borrow | Transfer A | Add |
| 0 | 0 | 1 | Add | Decrement A | Subtract with borrow | Decrement A |
| 0 | 1 | 0 | Increment A | Subtract | Increment A | Add with carry |
| 0 | 1 | 1 | Add with carry | Transfer A | Subtract | Transfer A |
| 1 | x | 0 | OR | AND | OR | XOR |
| 1 | x | 1 | XOR | Complement A | AND | Complement A |



| cin | | | Functions for | |
|-----|-----|-----|----------------|----------------------|
| cs2 | cs1 | cs0 | Group 5 | Group 6 |
| 0 | 0 | 0 | Transfer A | Subtract with borrow |
| 0 | 1 | 0 | Add | Decrement A |
| 1 | 0 | 0 | Increment A | Subtract |
| 1 | 1 | 0 | Add with carry | Transfer A |
| x | 0 | 1 | OR | AND |
| x | 1 | 1 | XOR | Complement A |

For Section A2

| cin | | | Functions for | | | |
|-----|-----|-----|----------------|----------------------|----------------------|----------------|
| cs2 | cs1 | cs0 | Group 1 | Group 2 | Group 3 | Group 4 |
| 0 | 0 | 0 | Transfer A | Subtract with borrow | Transfer A | Add |
| 0 | 0 | 1 | Add | Decrement A | Subtract with borrow | Decrement A |
| 1 | 0 | 0 | Increment A | Subtract | Increment A | Add with carry |
| 1 | 0 | 1 | Add with carry | Transfer A | Subtract | Transfer A |
| x | 1 | 0 | OR | AND | OR | XOR |
| x | 1 | 1 | XOR | Complement A | AND | Complement A |



| cin | | | Functions for | |
|-----|-----|-----|----------------------|----------------|
| cs2 | cs1 | cs0 | Group 5 | Group 6 |
| 0 | 0 | 0 | Transfer A | Add |
| 0 | 1 | 0 | Subtract with borrow | Decrement A |
| 1 | 0 | 0 | Increment A | Add with carry |
| 1 | 1 | 0 | Subtract | Transfer A |
| x | 0 | 1 | OR | XOR |
| x | 1 | 1 | AND | Complement A |