Table for ALU operations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Instruction | AluSrcA(15:0) | AluSrcB(15:0) | AluOp | Resule |
| Add | Rn | Imm | 00 | AlusrcA + AlusrcB |
| Sub | Rn | Imm | 01 | AlusrcA – AlusrcB |
| Load | Rn | Offset | 00 | AlusrcA + AlusrcB |
| Store | Rn | Offset | 00 | AlusrcA + AlusrcB |
| And | Rd | Rn | 10 | AlusrcA&AlusrcB |
| Shift | Offset | 1 | 11 | AlusrcA << AlusrcB |