Write the corresponding RISC-V code of the following High-level program —

```
If (a > b):
    save[i] = a + save[j]
Elif (a == b):
    save[j] = 5
Else:
    save[j] = save[i] / 8
```

$a = X_{20}$

$b = X_{21}$

$g = X_{22}$

$i = X_{23}$

$j = X_{24}$

$Save[0] = X_{25}$ → Double Word

$Save\_2[0] = X_{26}$ → Double Word

Write the corresponding RISC-V code of the following High-level program —

(i)

```
If (a > b && b > c):
    save[i] = save[i] x 9
Else:
    save[j] = save[5] / 16
```

$a = X_{20}$

$b = X_{21}$

$g = X_{22}$

$i = X_{23}$

$j = X_{24}$

$Save[0] = X_{25}$ → Double Word

$Save\_2[0] = X_{26}$ → Double Word

(ii)

```
If (a > b OR b > c):
    save[i] = save[i] x 9
Else:
    save[j] = save[5] x i / 16
```

Write the corresponding RISC-V code of the following High-level program —

```
If (a > save[i]):
    If (b == save_2[j]):
        save_2 = a + save[j]
    Else:
        save_2[4] = a + g - 12
Else:
    save_2[6] = 5
```

$a = x_{20}$

$b = x_{21}$

$g = x_{22}$

$i = x_{23}$

$j = x_{24}$

Save[0] = x_{25} → Double Word

Save_2[0] = x_{26} → Double Word

Write the corresponding RISC-V code of the following High-level program —

```
If (a > save[i]):
    save_2 = a + save[j]
Elif (a == save[j]):
    save_2[4] = a + g - 12
Else:
    save_2[6] = 5
```

$a = x_{20}$

$b = x_{21}$

$g = x_{22}$

$i = x_{23}$

$j = x_{24}$

Save[0] = x_{25} → Double Word

Save_2[0] = x_{26} → Double Word