Pseudocode

START INPUT hours_worked

IF hours_worked is less than or equal to 40 THEN
    CALCULATE total_pay = hours_worked * 20
ELSE
    CALCULATE overtime_hours = hours_worked - 40
    CALCULATE total_pay = (40 * 20) + (overtime_hours * 30)
ENDIF

OUTPUT total_pay

END

```
                          ┌─────────┐
                          │  Start  │
                          └─────────┘
                               │
                               ▼
                    ╱──────────────────────╲
                    │   Enter hours worked   │
                    ╲──────────────────────╱
                               │
                               ▼
                    ◇─────────────────────◇
                    │  Is hours_worked ≤ 40?  │
                    ◇─────────────────────◇
                     Yes                No
                      │                  │
                      ▼                  ▼
        ┌──────────────────────┐  ┌──────────────────────────────────────┐
        │ total_pay = hours_worked * 20 │  │ overtime_hours = hours_worked - 40    │
        └──────────────────────┘  │ total_pay = (40 * 20) + (overtime_hours * 30) │
                                   └──────────────────────────────────────┘
                      │                  │
                      ▼                  ▼
                    ╱──────────────────────╲
                    │   Display total_pay    │
                    ╲──────────────────────╱
                               │
                               ▼
                          ┌─────────┐
                          │   End   │
                          └─────────┘
```