



```

START
INPUT Diem
IF Diem >=75 and a<=100
    DISPLAY "Diem A"
ELSE
    IF Diem <75 and Diem >=60
        DISPLAY "Diem B"
    ELSE
        IF Diem <60 and Diem >=45
            DISPLAY "Diem C"
        ELSE
            IF Diem <45 and Diem >=30
                DISPLAY "Diem D"
            ELSE
                IF Diem <30 and Diem >=0
                    DISPLAY "Diem E"
                END IF
            END IF
        END IF
    END IF
END IF
END IF
END IF
END

```

