

Max Salary History

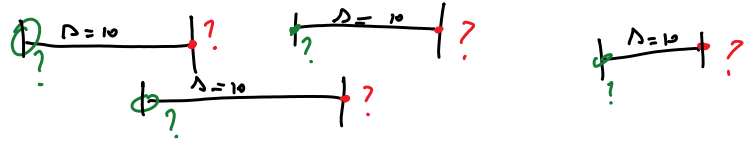
Start	End	MaxSalary
01-01-1981	01-01-1982	33 000
01-01-1982	01-01-1985	55 000
01-01-1985	01-01-2005	55 000
01-01-2005	01-01-2079	45 000

Max Salary History

Start	End	MaxSalary
01-01-1981	01-01-1982	33 000
01-01-1982	01-01-2005	55 000
01-01-2005	01-01-2079	45 000

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select distinct F.SalaryMax, F.FromDate, L.ToDate
from TempMax F, TempMax L
where F.FromDate < L.ToDate and F.SalaryMax = L.SalaryMax
and not exists ( select *
from TempMax M
where M.SalaryMax = F.SalaryMax
and F.ToDate < M.FromDate and M.FromDate <= L.FromDate
and not exists ( select *
from TempMax T1
where T1.SalaryMax = F.SalaryMax
and T1.FromDate < M.FromDate
and M.FromDate <= T1.ToDate ) )
and not exists ( select *
from TempMax T2
where T2.SalaryMax = F.SalaryMax
and ( ( T2.FromDate < F.FromDate and F.FromDate <= T2.ToDate )
or ( T2.FromDate <= L.ToDate and L.ToDate < T2.ToDate ) ) )
    
```



Select F. salary , (F) start , (L) END

Conditions :

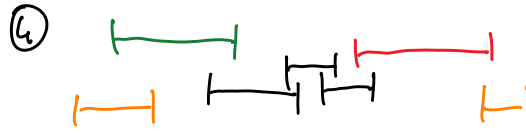
- ① F. salary = L. salary
- ② F.start < L.END
- ③ THERE is no Hole !



For each M such that ① F.END < M.start ≤ L.start
 (maybe the exist no M)
 ② M.salary = F.salary

∃ M' such that M'.sal = F.salary

M'.start < M.start < M'.END



∃ M such that M.salary = F.salary

{ M.start < F.start < M.END
 M.start < L.END < M.END