```
oddeven_minimization  THM

⊢  ∀n:ℕ+ .
|  ∃k:ℕ, f:(ℕk→(x,y:ℕn*//(x LangOf(OddEven#n)-induced Equiv y))).
|  Bij(ℕk; x,y:ℕn*//(x LangOf(OddEven#n)-induced Equiv y); f)
| by (Analyze 0) THEN (Fold ‘finite‘ 0)
|
1. n : ℕ+
⊢  Fin(x,y:ℕn*//(x LangOf(OddEven#n)-induced Equiv y))
  by Inst
     Thm* ∀Auto:Automata(Alph;St).
          Fin(Alph) & Fin(St) ⇒
          Fin(x,y:Alph*//(x LangOf(Auto)-induced Equiv y))
     {mn_13}
     [ℕn;ℕ(2↑n);OddEven#n]
     THEN
     BackThru Thm* ∀n:ℕ. Fin(ℕn)    {nsub_is_finite}
END
```