```
select_l_interval  THM

⊢  ∀T:Type, l:T List, i:ℕ||l||, j:ℕ(i+1), x:ℕ(i-j).
   l_interval(l;j;i)[x] = l[(j+x)]
  by Auto THEN Unfold ‘l_interval‘ 0
     THEN
     RWO
     Thm* ∀n:ℕ, f:(ℕn→T), i:ℕn. mklist(n;f)[i] = f(i)
     {mklist_select}
     0
     THEN
     Reduce 0
END
```