```
assert-w-match  THM

⊢  ∀the_w:World, l:IdLnk, t,t':ℕ.
|  match(l;t;t')
|  ⟺
|  ||snds(l;t)||≤||rcvs(l;t')||
|  & ||rcvs(l;t')||<||snds(l;t)||+||onlnk(l;m(source(l);t))||
| by UnivCD THEN Unfold `w-match` 0
|    THEN
|    Assert (||onlnk(l;m(source(l);t))|| ∈ ℤ)
|
|\
| .....assertion .....
| 1. the_w : World
| 2. l : IdLnk
| 3. t : ℕ
| 4. ℕ
| ⊢  ||onlnk(l;m(source(l);t))|| ∈ ℤ
|   by GenConclAtAddr [2;1;2] THEN Fold `w-Msg` -2
|      THEN
|      Unfold `w-Msg` -1
|
.\
. 1. the_w : World
. 2. l : IdLnk
. 3. t : ℕ
. 4. t' : ℕ
. 5. ||onlnk(l;m(source(l);t))|| ∈ ℤ
. ⊢  ((||snds(l;t)||≤₂||rcvs(l;t')||)∧₂
.     (||rcvs(l;t')||<₂||snds(l;t)||+||onlnk(l;m(source(l);t))||))
.    ⟺
.    ||snds(l;t)||≤||rcvs(l;t')||
.    & ||rcvs(l;t')||<||snds(l;t)||+||onlnk(l;m(source(l);t))||
.   by RW assert_pushdownC 0
END
```