

GROW-DIAG-FINAL(e2f,f2e):

```
neighbouring = ((-1,0),(0,-1),(1,0),(0,1),
                (-1,-1),(-1,1),(1,-1),(1,1))
alignment = intersect(e2f,f2e);
GROW-DIAG(); FINAL(e2f); FINAL(f2e);
```

GROW-DIAG():

```
iterate until no new points added
  for english word e = 0 ... en
    for foreign word f = 0 ... fn
      if ( e aligned with f )
        for each neighbouring point ( e-new, f-new ):
          if ( ( e-new not aligned and f-new not aligned ) and
              ( e-new, f-new ) in union( e2f, f2e ) )
            add alignment point ( e-new, f-new )
```

FINAL(a):

```
for english word e-new = 0 ... en
  for foreign word f-new = 0 ... fn
    if ( ( e-new not aligned or f-new not aligned ) and
        ( e-new, f-new ) in alignment a )
      add alignment point ( e-new, f-new )
```