```
 1
 2  !C*** hecmw_update_3_R
 3  !C
 4  !C    3-DOF, REAL
 5  !C
 6        subroutine hecmw_update_3_R (hecMESH, VAL, n)
 7
 8        implicit none
 9        integer(kind=kint):: n, ns, nr
10        real(kind=kreal), dimension(3*n) :: VAL
11        real(kind=kreal), dimension(:), allocatable :: WS, WR
12        type (hecmwST_local_mesh) :: hecMESH
13
14        if( hecMESH%n_neighbor_pe == 0 ) return
15        ns = hecMESH%export_index(hecMESH%n_neighbor_pe)
16        nr = hecMESH%import_index(hecMESH%n_neighbor_pe)
17        allocate (WS(3*ns), WR(3*nr))
18
19        call hecmw_solve_SEND_RECV_33                                    &
20       &    ( n, hecMESH%n_neighbor_pe, hecMESH%neighbor_pe,             &
21       &      hecMESH%import_index, hecMESH%import_item,                 &
22       &      hecMESH%export_index, hecMESH%export_item,                 &
23       &      WS, WR, VAL , hecMESH%MPI_COMM, hecMESH%my_rank)
24        deallocate (WS, WR)
25
26        end subroutine hecmw_update_3_R
27
28
```