

1	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
2	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
3	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
4	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]$
5	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]$
6	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]$
7	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
8	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
9	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]$
10	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
11	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
12	$[CH_2O]CH_2O+formylperoxy=>HCO+formylooh-->[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
13	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2-->[O_2]CH_3+O_2(+M)=>CH_3OO(+M)-->[CH_3OO]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
14	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$

15	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO--$ $>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C_2H_5+CH_2O--$ $>[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$
16	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1-->[prod_1]$
17	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]$
18	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$
19	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
20	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
21	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH--$ $>[npropyloxy]$
22	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
23	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH_2O--$ $>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$
24	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
25	$[CH_2O]CH_2O+acetylperoxy=>HCO+CH_3CO_3H-->[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH--$ $>[acetyloxy]$
26	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$

27	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$
28	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
29	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$
30	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy-->[formylperoxy]CH_2O+formylperoxy=>HCO+formylooh-->[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
31	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2-->[H_2O_2]H_2O_2(+M)=>OH+OH(+M)-->[OH]$
32	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[CO]CO+HO_2=>CO_2+OH-->[CO_2]$
33	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]C_3H_6+HO_2=>propen1ol+OH-->[propen1ol]$
34	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy-->[formylperoxy]C_3H_8+formylperoxy=>ipropyl+formylooh-->[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
35	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$
36	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]CH_3O+O_2=>CH_2O+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
37	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy-->[formylperoxy]formylperoxy=>HCO+O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
38	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]CH_3O+O_2=>CH_2O+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
39	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$

40	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]HO_2+C_3H_6=>OH+propoxide-->[propoxide]$
41	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde--$ $>[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-->[acetyl]acetyl(+M)=>CH_3+CO(+M)--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
42	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO--$ $>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C_2H_5+CH_2O--$ $>[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
43	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$
44	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]CH_3+O_2(+M)=>CH_3OO(+M)-->[CH_3OO]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
45	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]npropyloo=>OH+propoxide-->[propoxide]$
46	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]acetaldehyde+HO_2=>acetyl+H_2O_2-->[acetyl]acetyl(+M)=>CH_3+CO(+M)--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
47	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]C_2H_5+O_2=>CH_3CH_2OO-->[CH_3CH_2OO]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
48	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]npropyloo+HO_2=>npropylooh+O_2--$ $>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]$
49	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$

50	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]C_3H_8+HO_2=>npropyl+H_2O_2-->[npropyl]well_1=>OH+prod_1-->[prod_1]$
51	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]C_3H_8+HO_2=>npropyl+H_2O_2-->[npropyl]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]$
52	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]C_3H_8+HO_2=>npropyl+H_2O_2-->[npropyl]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH_2O--$ $>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$
53	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]HO_2+C_3H_6=>OH+propoxide-->[propoxide]$
54	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1-->[prod_1]$
55	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]$
56	$[CH_2O]CH_2O+HO_2=>OCH_2OOH-->[OCH_2OOH]OCH_2OOH=>CH_2O+HO_2--$ $>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
57	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+ipropyl=>ipropyloo-->[ipropyloo]ipropyloo+HO_2=>ipropylooh+O_2--$ $>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]$
58	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$
59	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
60	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$
61	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]allyl+HO_2=>allyloxy+OH--$ $->[allyloxy]$

62	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO--$ $>[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C_2H_5+CH_2O--$ $>[C_2H_5]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$
63	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH--$ $>[npropyloxy]$
64	$[CH_2O]CH_3CH_2OO+CH_2O=>CH_3CH_2OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$
65	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]ethoxy=>CH_3+CH_2O-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
66	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
67	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[H_2O_2]H_2O_2+H=>H_2O+OH-->[H_2O]$
68	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]C_3H_6+HO_2=>allyl+H_2O_2--$ $>[allyl]allyl+HO_2=>prod_2-->[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$
69	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2--$ $>[O_2]O_2+npropyl=>npropyloo-->[npropyloo]well_1=>OH+prod_1--$ $>[prod_1]prod_1=>frag_1+OH-->[frag_1]frag_1=>vinoxy+CH_2O--$ $>[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$
70	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH--$ $>[npropyloxy]$
71	$[CH_2O]CH_2O+H=>HCO+H_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2--$ $->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
72	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]acetaldehyde+HO_2=>acetyl+H_2O_2-->[acetyl]acetyl(+M)=>CH_3+CO(+M)--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$

73	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_{2--}>[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]C_3H_6+HO_2=>allyl+H_2O_{2--}>[allyl]allyl+HO_2=>prod_2--$ $>[prod_2]prod_2=>allyloxy+OH-->[allyloxy]$
74	$[CH_2O]CH_3OO+CH_2O=>CH_3OOH+HCO-->[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_{2--}>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$
75	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]C_3H_8+HO_2=>ipropyl+H_2O_{2--}>[ipropyl]ipropyloo+HO_2=>ipropylooh+O_{2--}$ $>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]$
76	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_{2--}>[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]allyl+HO_2=>allyloxy+OH-->[allyloxy]$
77	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_{2--}>[HO_2]CH_2O+HO_2=>HCO+H_2O_{2--}$ $->[HCO]HCO+O_2=>CO+HO_{2--}>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_{2--}$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
78	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]npropyloo+HO_2=>npropylooh+O_{2--}>[npropylooh]npropylooh=>npropyloxy+OH--$ $>[npropyloxy]$
79	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_{2--}>[HCO]HCO+O_2=>CO+HO_{2--}>[HO_2]HO_2+HO_2=>H_2O_2+O_{2--}$ $>[H_2O_2]H_2O_2(+M)=>OH+OH(+M)-->[OH]$
80	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]C_3H_8+formylperoxy=>npropyl+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
81	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_{2--}>[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]CH_2O+formylperoxy=>HCO+formylooh--$ $>[formylooh]formylooh=>formyloxy+OH-->[formyloxy]$
82	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_{2--}>[HO_2]HO_2+HO_2=>H_2O_2+O_{2--}$ $>[O_2]CH_3+O_2(+M)=>CH_3OO(+M)-->[CH_3OO]CH_3OO+CH_2O=>CH_3OOH+HCO--$ $>[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
83	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]acetylperoxy+HO_2=>CH_3CO_3H+O_{2--}>[CH_3CO_3H]CH_3CO_3H=>acetyloxy+OH--$ $>[acetyloxy]$
84	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_{2--}$ $>[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_{2--}>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH--$ $>[ethoxy]$

85	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+C_3H_6=>QOOH_2-->[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$
86	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]$
87	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[acetaldehyde]acetaldehyde+OH=>vinoxy+H_2O-->[vinoxy]vinoxy+O_2=>CH_2O+CO+OH-->[CO]$
88	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
89	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[acetaldehyde]CH_3OO+acetaldehyde=>CH_3OOH+acetyl-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
90	$[CH_2O]npropyloo+CH_2O=>npropylooh+HCO-->[npropylooh]npropylooh=>npropyloxy+OH-->[npropyloxy]npropyloxy=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+C_3H_8=>CH_3CH_2OOH+ipropyl-->[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]$
91	$[CH_2O]ipropyloo+CH_2O=>ipropylooh+HCO-->[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde-->[CH_3]CH_3OO+CH_2O=>CH_3OOH+HCO-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
92	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2-->[O_2]O_2+QOOH_1=>well_1-->[well_1]well_1=>OH+prod_1-->[prod_1]$
93	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+HO_2=>H_2O_2+O_2-->[O_2]O_2+QOOH_1=>well_1-->[well_1]well_1=>OH+prod_1-->[prod_1]prod_1=>frag_1+OH-->[frag_1]$

94	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]ipropyloxy=>CH_3+acetaldehyde--$ $>[acetaldehyde]acetaldehyde+HO_2=>acetyl+H_2O_2-->[acetyl]acetyl(+M)=>CH_3+CO(+M)--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
95	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[CO]CO+HO_2=>CO_2+OH--$ $>[CO_2]$
96	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+HO_2=>CO_2+OH+H-->[CO_2]$
97	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>formylperoxy--$ $>[formylperoxy]formylperoxy=>HCO+O_2-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]ipropyloo+HO_2=>ipropylooh+O_2-->[ipropylooh]ipropylooh=>ipropyloxy+OH--$ $>[ipropyloxy]$
98	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]npropyloo+HO_2=>npropylooh+O_2-->[npropylooh]npropylooh=>npropyloxy+OH--$ $>[npropyloxy]npropyloxy=>C_2H_5+CH_2O-->[C_2H_5]CH_3CH_2OO+HO_2=>CH_3CH_2OOH+O_2--$ $>[CH_3CH_2OOH]CH_3CH_2OOH=>ethoxy+OH-->[ethoxy]ethoxy=>CH_3+CH_2O--$ $>[CH_3]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH-->[CH_3O]$
99	$[CH_2O]CH_2O+HO_2=>HCO+H_2O_2-->[HCO]HCO+O_2=>CO+HO_2-->[HO_2]HO_2+C_3H_6=>QOOH_2--$ $>[QOOH_2]QOOH_2=>OH+propoxide-->[propoxide]$
100	$[CH_2O]CH_2O+OH=>HCO+H_2O-->[HCO]HCO+O_2=>CO+HO_2--$ $>[HO_2]CH_3OO+HO_2=>CH_3OOH+O_2-->[CH_3OOH]CH_3OOH=>CH_3O+OH--$ $>[CH_3O]CH_3O+O_2=>CH_2O+HO_2-->[HO_2]ipropyloo+HO_2=>ipropylooh+O_2--$ $>[ipropylooh]ipropylooh=>ipropyloxy+OH-->[ipropyloxy]$