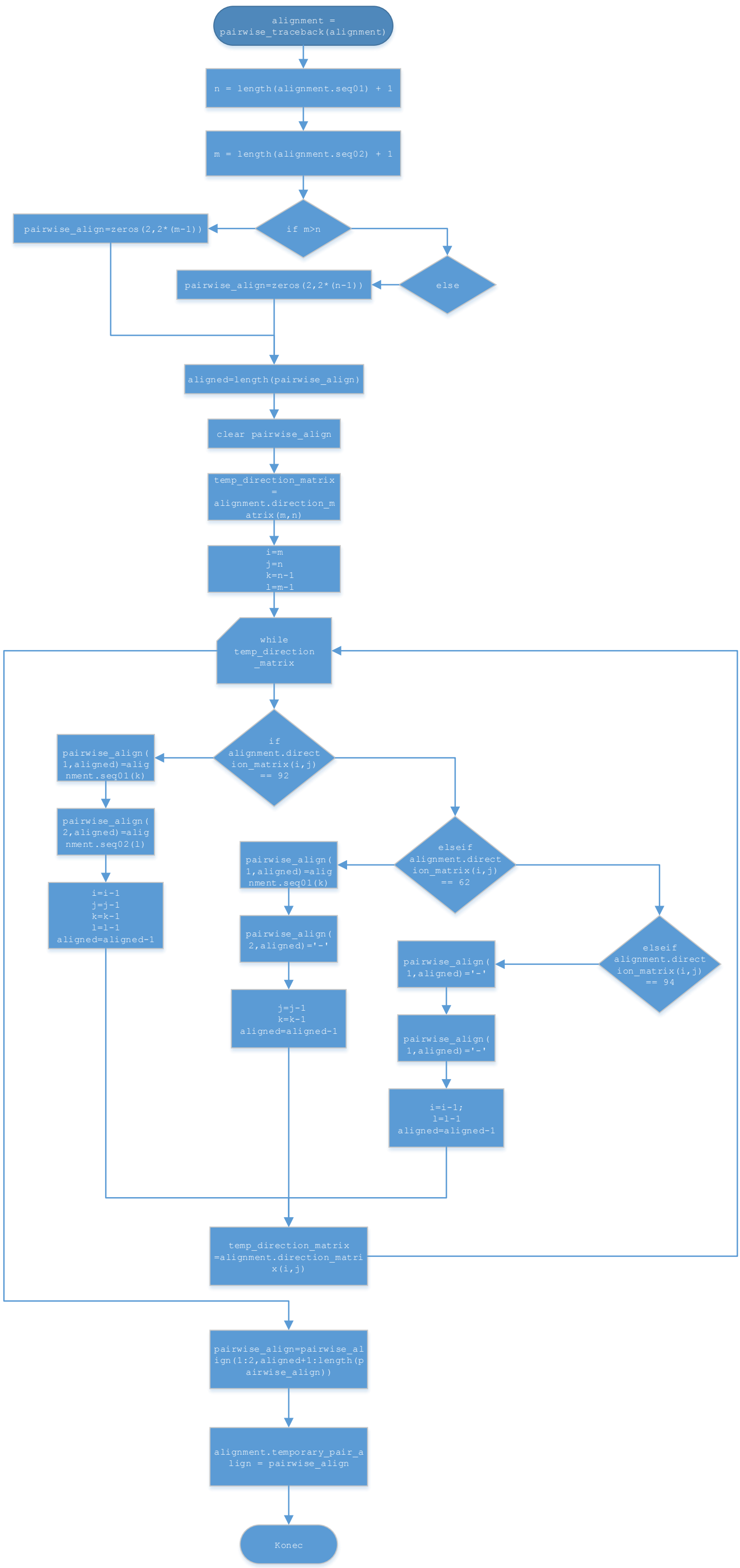
alignment = pairwise_traceback(alignment)
n = length(alignment.seq01) + 1
m = length(alignment.seq02) + 1
if m>n
pairwise_align=zeros(2,2*(m-1))
else
pairwise_align=zeros(2,2*(n-1))
aligned=length(pairwise_align)
clear pairwise_align
temp_direction_matrix = alignment.direction_matrix(m,n)
i=m
j=n
k=n-1
l=m-1
while temp_direction_matrix
if alignment.direction_matrix(i,j) == 92
pairwise_align(1,aligned)=alignment.seq01(k)
pairwise_align(2,aligned)=alignment.seq02(l)
i=i-1
j=j-1
k=k-1
l=l-1
aligned=aligned-1
elseif alignment.direction_matrix(i,j) == 62
pairwise_align(1,aligned)=alignment.seq01(k)
pairwise_align(2,aligned)='-'
j=j-1
k=k-1
aligned=aligned-1
elseif alignment.direction_matrix(i,j) == 94
pairwise_align(1,aligned)='-'
pairwise_align(1,aligned)='-'
i=i-1;
l=l-1
aligned=aligned-1
temp_direction_matrix=alignment.direction_matrix(i,j)
pairwise_align=pairwise_align(1:2,aligned+1:length(pairwise_align))
alignment.temporary_pair_align = pairwise_align
Konec