Edit Distance --- DP algorithm matrix

		b	a	r	b	e	r	s
	0	1	2	3	4	5	6	7
b	1							
o	2							
a	3							
r	4							
d	5							
e	6							
r	7							

Edit Distance --- DP algorithm matrix

		b	a	r	b	e	r	s
	0	1	2	3	4	5	6	7
b	1	0=min(1+1, 0+diff(b,b), 1+1)						
o	2							
a	3							
r	4							
d	5							
e	6							
r	7							

Edit Distance --- DP algorithm matrix

		b	a	r	b	e	r	s
	0	1	2	3	4	5	6	7
b	1	0						
o	2							
a	3							
r	4							
d	5							
e	6							
r	7							

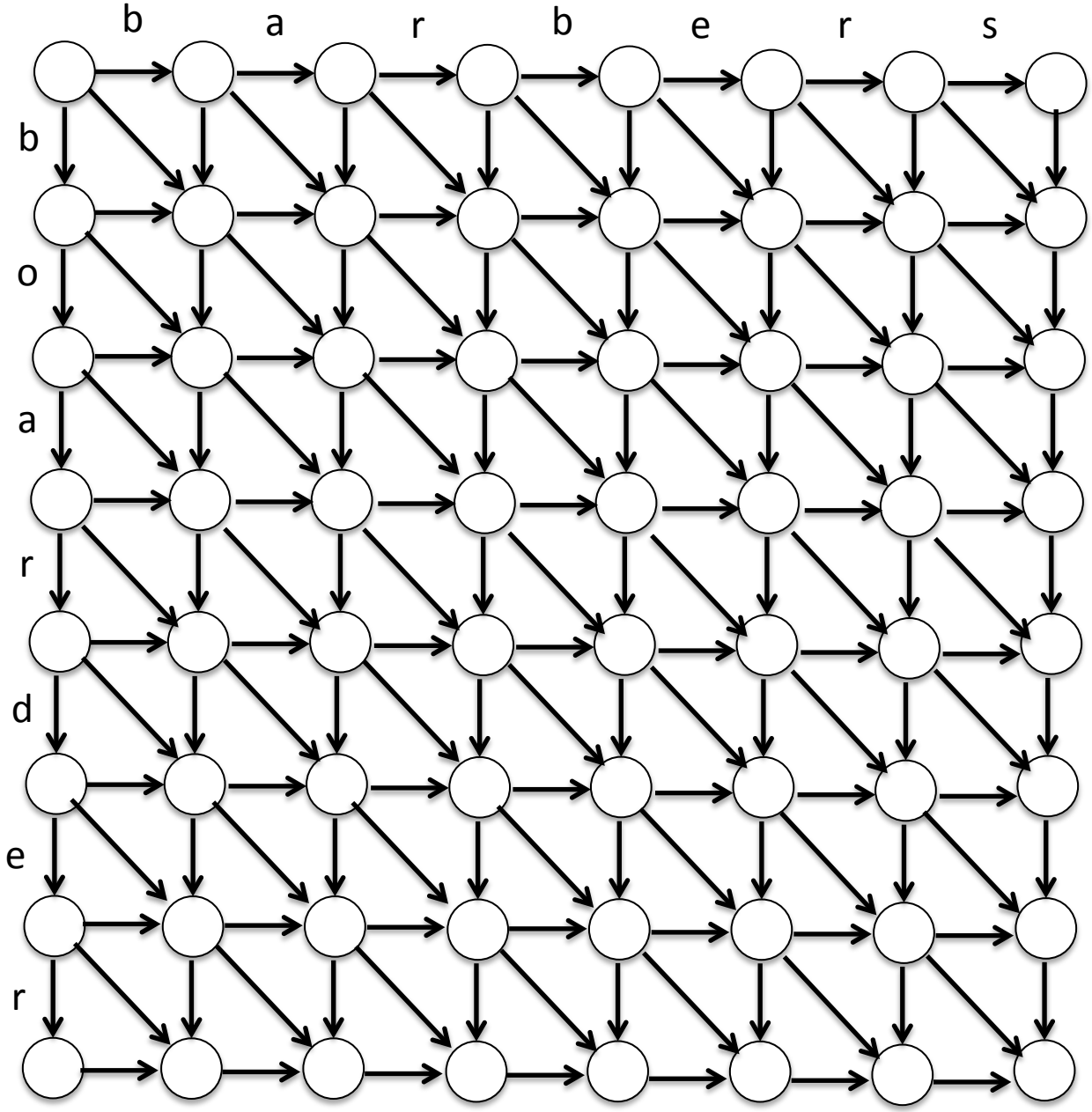
Edit Distance --- DP algorithm matrix

		b	a	r	b	e	r	s
	0	1	2	3	4	5	6	7
b	1	0	1=min(0+1, 1+diff(b,a), 2+1)					
o	2							
a	3							
r	4							
d	5							
e	6							
r	7							

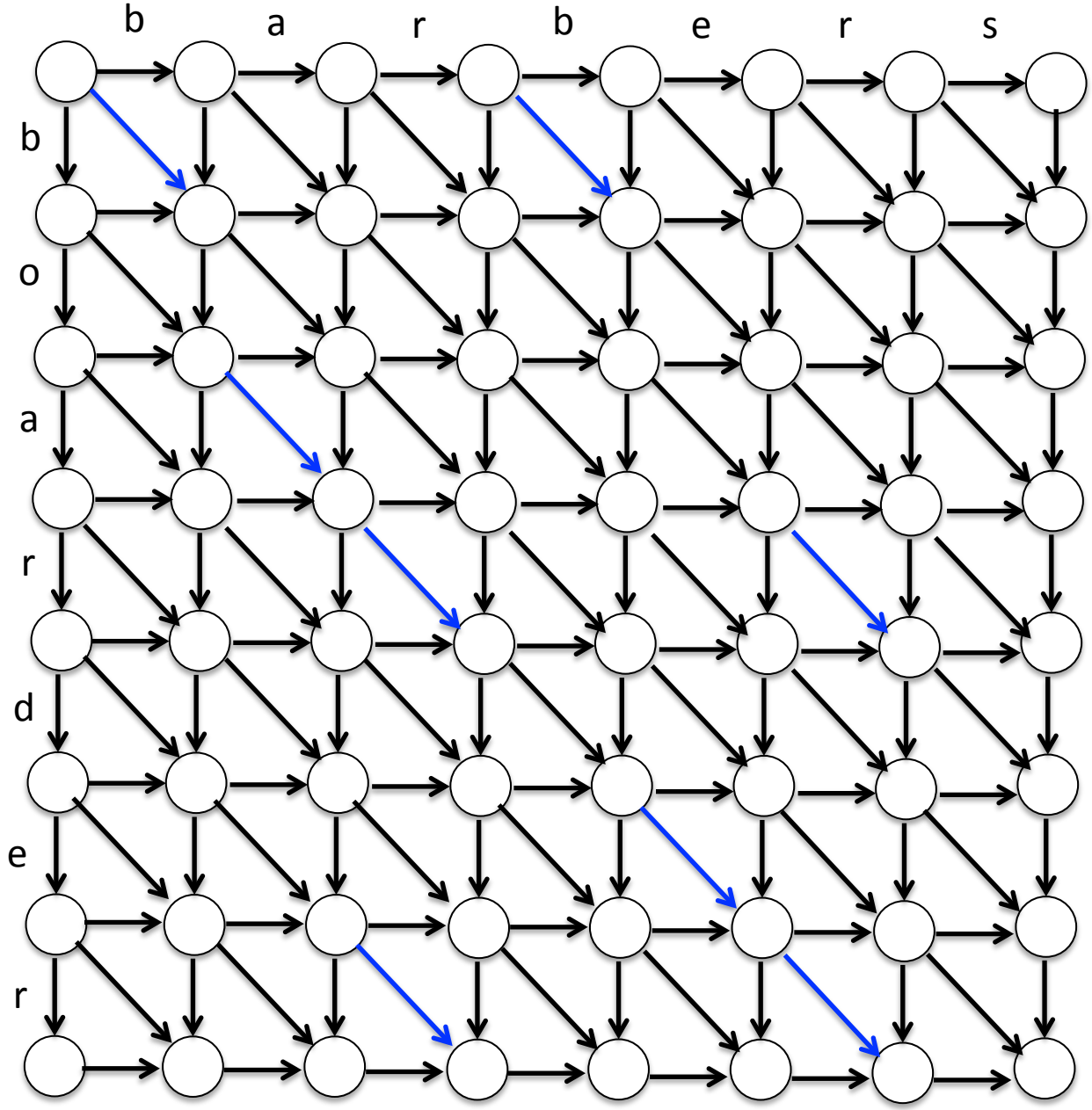
Edit Distance --- DP algorithm matrix

		b	a	r	b	e	r	s
	0	1	2	3	4	5	6	7
b	1	0	1	2	3	4	5	6
o	2	1	1	2	3	4	5	6
a	3	2	1	2	3	4	5	6
r	4	3	2	1	2	3	4	5
d	5	4	3	2	2	3	4	5
e	6	5	4	3	3	2	3	4
r	7	6	5	4	4	3	2	3

Edit Distance --- Digraph of subproblems

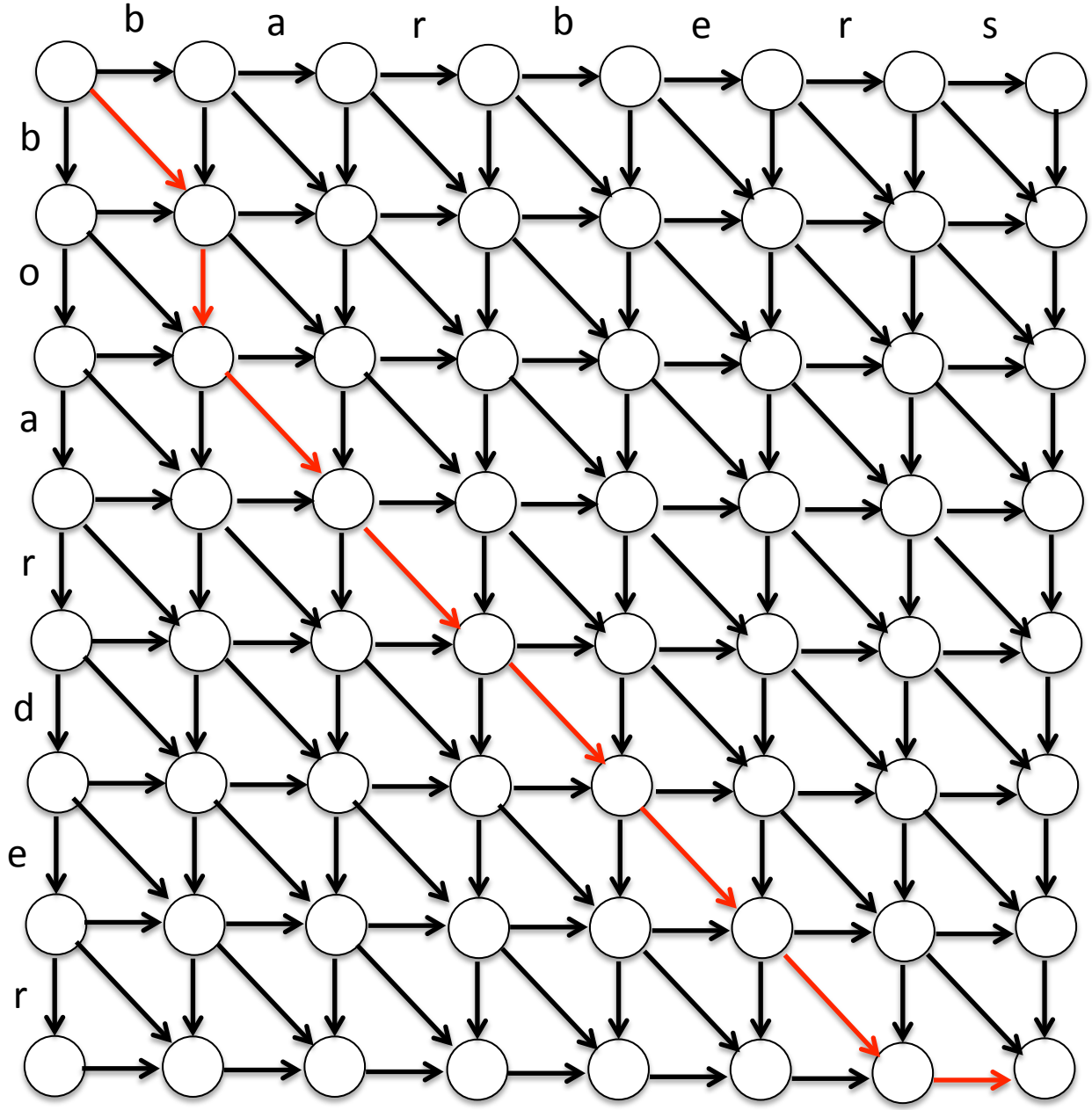


Edit Distance --- Digraph of subproblems



Blue: cost 0
Black: cost 1

Edit Distance --- Digraph of subproblems



red path corresponds to optimal alignment