19 January 2023 09:49

* Change of problem (Minimize)

+ Change constraint b = b+ D b A0 b + A0 0 b >0

+ Change objective junction C-> C+ OC

 $(c_0^{\dagger} A_0^{-1} a_j - c_j) + (\Delta c_0^{\dagger} A_0^{-1} a_j - \Delta c_j) \in O, j \in N$ col of A CCF)

* Quality

$ \begin{array}{ll} \mathbf{u}_{\mathbf{i}} & \mathbf{c}^{T} \mathbf{x} \\ \mathbf{A} \mathbf{x} & = \mathbf{b} \end{array} $	max b ^T y = C
X70 X 50 X 40L	$A^{T}y \leq C$ $A^{T}y \geq C$ $A^{T}y = C$
Ax >> b Ax <> b Ax = b	y 3,0 y ≤ 0 y 3,0

& Complementary Slathness Condition

aity = ci, i = 1... n Xi = 0 or Aix = bi, izl...m yi = 0

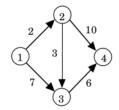
* (anonical join

x = b , x = 0 --

Convert shandard join to canonical join

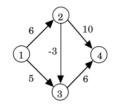
win $Z(x) = d^Tb + (c^T - d^TA)x$; $d = (A_6^T)^{-1}c_8$ S.t. $A_8^TAx = A_8^{-1}b$ 220

* Dijksta



			π					
	1	2	3	4	1	2	3	4
0	0	∞	∞	∞	-			
1		2	7	∞	-	1	1	
2			5	12	-	1	2	2
3				11	-	1	2	3

* Bellman - Ford



			π						
k	1	2	3	4	1	2	3	4	S^k
0	0	∞	∞	∞	-				1
1	0	6	5	∞	-	1	1		2, 3
2	0	6	3	11	-	1	2	3	3, 4
3	0	6	3	9	-	1	2	3	4
4	0	6	3	9	-	1	2	3	-

* Ford - Fullerson

