



















D	P - Wate	r Allocatio	n Problem	- Example		
		blem, let $Q = 5$, and				
$c_j =$	10, 10, 25; and a	$l_j = 0.6, 0.8, 0.4$ for	j = 1, 2, 3, respecti	ively.		
		Values of Net Ber	the fit Function, R_j (x	(_j)		
[xi	$R_1(x_1)$	$R_2(x_2)$	$R_3(x_3)$		
ľ	0	0	0	0		
	1	-0.5	6.5	-6.9		
	2	3.0	10.1	0.0		
	3	6.6	10.9	6.3		
	4	10.0	9.6	11.5		
	6	13.1	7.0	15.6		
	5	15.1	7.0	15.0		

	DP – Stage								_		
	$f_3(s_3) = \max_{x_3 \& 0 \le x_2 \le s_3} [R_3(x_3)]$ State $R_3(x_3)$										
	~	X3:	0	1	2	3	4	5	$f_{3}(s_{3})$	x3*	
	0		0						0	0	
	1		0	-6.9	0				0	0	
	2		0	-6.9	0	6.2			0	2	
	3		0	-6.9	0	6.3	11.6		6.3	3	
	4		0	-6.9	0	6.3	11.5		11.5	4	
	5		0	-6.9	0	6.3	11.5	15.6	15.6	5	
13		I	D Nagesł	n Kumar, I	ISc		D	P_1: Wate	er Allocation	l	

				mple						
	Sta	ge	2: C	alcul	ation	of f_2	(s_2)			
-	$f(\varepsilon)$	- 11	var imu	$m[R_2(x_2)]$	$) \pm f(e)$	- r)]				
	$J_2(s_2)$		& 0 _{≤x2} :		J+J ₃ (3 ₂	$-x_2/1$				
	Cinto	_								
	State \$2				R ₂ (x_2) + $f_3(s)$	$(2 - x_2)$			
		x2:	0	1	2	3	4	5	$f_2(s_2)$	X2
	0		0+0						0	0
	1		0+0	6.5+0					6.5	1
	2		0+0	6.5+0	10.1+0				10.1	2
	3		0+6.3	6.5+0	10.1 ± 0	10.9+0			10.9	3
	4		0+11.5	6.5+6.3	10.1+0	10.9+0	9.6+0		12.8	1
	5		0+15.6	6.5+11.5	10.1+6.3	10.9+0	9.6+0	7.0+0	18.0	1

























