





				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
整理用		◆午後は学研都市線内の運用で、日中森支放出派待機																									
60	A0029	支所→西明石	6:39	西明石一支所	0:35	4460C	4505S	回222S	森支放出派待機		京橋	四條畷	京橋	四條畷	京橋	四條畷	京橋	四條畷	京橋	四條畷	京橋	四條畷	京橋	四條畷	京橋	四條畷	
						西6:39	松8:58	京橋9:47/10:03-08			15:53-16:13	16:18	16:54	17:19	17:54	四18:25	西20:22	都22:36	西明石0:35着(4601C20:13着)								
61	A0045	京都4番	5:04	塚口電留6番	22:25	107C	4482C	森支放出派待機			回228S	4571S	4562S	4587S	4578S	4603S	4594S	4619S	4610S	4635S	4626S	4651M	回4651M	塚口電留6			
						都5:04	加7:25	放出9:24着			16:08-28	16:33	17:09	17:34	18:09	18:34	19:09	19:34	20:10	20:34	21:09	21:33	尼崎22:16/20-25				
62	A0036	吹田高槻派→高槻	5:00	新三田	1:04	101C	4474C	4501S	回220S	放出派	回224S	回211S	4550S	4575S	4566S	4591S	4582S	4609C	4640C	5740C	4607M						
						高5:00	加7:00	西9:17	京橋9:41着	放出	徳庵	16:24	16:49	17:24	17:49	18:24	四18:55	西20:52	尼22:03	同23:11	新三田1:04着						
63	A0025	京都電留2番	6:01	西明石一支所	23:53	117C	4486C	森支放出派待機			回213S	4554S	4579S	4570S	4595S	4586S	4611S	4602S	4627S	4618S	4643S	4632S	4657C				
						都6:01	西8:10	放出9:40着			16:20-24	16:39	17:04	17:39	18:04	18:39	19:03	19:39	20:03	20:39	21:03	21:39	22:05	西明石23:53着			
		◆朝夕のみ																									
		▼塚口留置																									
64	A0073	森支放出派→放出	5:54	奈良→佐保信(逆)	19:40	回206S	5749M	4449M	回4449M	塚口4番待機	回2104M	2104M	回2154M														
						5:54-35-引上	松6:54	橋7:32	尼2-7:51/53-57		18:13-18	尼18:22	奈良19:30/35-40														
65	A0074	佐保信→奈良(逆)	6:56	奈良→佐保信(逆)	20:44	回2153M	2103M	回2103M	塚口5番待機	回2108M	2108M	回2158M															
						6:56-7:00	奈7:01	尼2-8:14/17-22		19:13-18	尼19:22	奈良20:34/39-44															
66	A0096	祝園電留4番(東側)	7:17	奈良→佐保信(逆)	20:10	回209S	5769M	4469M	回4449M	塚口6番待機	回2106M	2106M	回2156M														
						7:17-28	辺7:30	橋8:19	尼2-8:39/43-48		18:41-45	尼18:52	奈良20:02/05-10														
		▼新三田留置																									
67	A0041	北伊丹着発2番	4:38	京田辺3番	0:--	回1521M	4406M	5425M	新三田待機		5520M	5535M	5550M	5750M	京田辺3												
						4:38-47	宝4:52	木6:40	新三田8:49着		新18:23	木20:27	新22:34	尼23:12	京田辺0:13												
68	A0046	塚口電留6番	5:28	木津駅1番(3番)	23:53	回4410M	4410M	5427M	新三田待機		5516M	5531M	5546M	5746M													
						5:28-32	尼5:33	木7:03	新三田9:02着		新17:53	木19:57	新21:55	尼22:34	木津23:53着												
69	A0032	吹田高槻派→高槻	5:42	大阪→宮原操	23:09	505C	510C	1139C	新三田待機		5512M	5527M	2786M	回2786M	宮原操												
						高5:42	尼6:37	都7:40	新三田9:29着		新17:23	木19:26	徳21:48	大阪22:54/23:02-09													
70	A0085	森支放出派→放出	6:07	放出→森支放出派	19:--	4419S	4420S	5431M	新三田待機		回5704M	5704M	回217S														
						放6:07	橋6:31	木7:42	新三田9:44着		18:02	尼18:07	京田辺19:10着														
71	A0038	四條畷4番	6:04	祝園電留5番(北側)	20:02	4423M	4446M	5791M	4491M	新三田待機	回5706M	5706M	回230S														
						四6:04	口7:04	辺8:29	橋9:13	新三田10:18着	17:44-18:32	尼18:37	京田辺19:40/55-20:02														
72	A0043	支所→西明石	7:01	奈良→佐保信(逆)	19:11	110C	515C	520C	1143C	新三田待機	回2102M	2102M	回2152M														
						西5:11	高7:01	尼7:49	都8:50	新三田10:43着	16:55-17:47	尼17:52	奈良19:01/03-11														
		▼京総野洲派、京都駅留置																									
73	A0090	新三田	6:59	大阪7(8)番-東引上	1:09	1136C	回5654M	京総野洲派待機			回5653M	261C	540C	大阪7番	一大阪駅東引上留置注意												
						新6:59	草津9:17着-23-野洲9:31			野洲20:53-草津21:01	草津21:11	西0:01	大阪1:09着														
74	A0083	吹田高槻派→高槻	5:10	西明石→支所	1:21	103C	140C	京都駅電留2番奥留置			都18:59	西21:27	高23:48	西明石1:21着													
						高5:10	加7:09	京都3番9:40着						西明石21:06着													
		▼吹田高槻派留置																									
75	A0040	四條畷1番	6:50	北伊丹着発2番	22:29	4441S	4444S	4471C	166C	吹田高槻派待機		1203C	1218C	1231C	回1534M	北伊丹電留1											
						四6:50	橋7:28	四7:55	西9:55	高槻11:35着		高16:47	新18:27	高20:17	新三田21:44/22:01-29												
		▼宮原操留置																									
76	A0003	新三田	5:58	放出→森支放出派	19:--	4436M	4461M	回4461M	564M	回564M	宮原操待機		回1545M	回5702M	5702M	回215S											
						新5:58	四7:36	尼3:8:21止	宝8:49	大阪9:21着		大阪3番17:02-04-外-尼2	17:09-15	塚口	尼17:3237	京田辺18:40着											
77	A0021	新三田	5:43	篠山口	20:32	1130C	1135C	568M	回568M	宮原操待機		回2761M	2761M														
						新5:43	高7:12	新8:51	大阪9:51着																		
78	A0071	新三田	6:20	京田辺1番	21:43	5422M	5439M	3752M	回3752M	宮原操待機		回3771M	3771M	5500M	5515M	5534M	京田辺1										
						新6:20	宝10:12	大坂10:37/44-52			15:26-32	阪15:35	宝16:11	木17:54	新20:08	京田辺21:43着											
79	A0052	京橋駅引上	5:10	篠山口	0:34	4402S	5423M	2740M	回2740M	宮原操待機		回3773M	3773M	5504M	5519M	2794M	回2784M	宮原操	回2781M	2781M							
						橋5:10	木6:20	篠9:47	大阪10:52/56-11:04		南7-15:55-16:02	阪16:05	宝16:40	木18:26	篠21:21	大阪22:27/32-39											
80	A0022	篠山口	7:06	篠山口	21:32	5430M	5445M	回1522M	宮原操待機		回2767M	2767M															
						篠7:06	同9:26	口10:33着-尼7番10:49-大阪10番11:01-07-宮操																			
81	A0019	新三田	5:04	新三田	22:49	4414M	5429M	2742M	回2742M	宮原操待機		回2751M	2751M	回5524M	5524M	5539M											
						新5:04	木7:21	篠10:15	大坂11:21着																		
82	A0088	篠山口	6:25	四條畷3番	0:59	5426M	5443M	3754M	回3754M	宮原操待機		回2755M	2755M	1230C	1243C	4662M											
						篠6:25	木8:57	宝10:42	大坂11:07/14-22																		
		▼網干明石支所留置																									
83	A0095	支所→西明石	4:--	祝園電留4番(東側)	22:28	回330C	回501C	501C	118C	137C	網干明石支所待機		210C	229C													
						西明石	灘	神戸5:17	西5:52	高7:51	西明石9:30着		西15:23	都17:31													
84	A0081	支所→西明石	6:19	大阪→宮原操	0:--	122C	157C	網干明石支所待機					212C	231C													
						西6:19	都8:33	西明石10:36着					西15:38	都17:46													
85	A0013	支所→西明石	5:20	壺田	23:57	112C	159C	網干明石支所待機					4568C	4605C													
						西5:20	野洲7:54	野洲8:06	西明石10:50着				西16:00	松18:17													
86	A0020	新三田	7:10	新三田	0:51	4460M	4507C	網干明石支所待機					216C	235C													
						新7:10	松9:15	西明石11:27着					西16:08</														

					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
整理用	◆朝のみ																										
87	A0035	支所→西明石	6:35	高槻→吹田高槻派	8:49		回301C	130C	入区																		
								大久保7:00	高槻8:49着																		
88	A0056	森支放出派→放出	5:12	高槻→吹田高槻派	9:06		回202S	4413C	136C	入区																	
							5:12-30	四5:35	西7:22	高槻9:06着																	
89	A0061	吹田高槻派→高槻	5:53	高槻→吹田高槻派	9:20			113C	142C	入区																	
								高5:53	西7:38	高槻9:20着																	
90	A0001	吹田高槻派→高槻	7:26	西明石→支所	9:10			129C	入区																		
								高7:26	高槻9:10着																		
91	A0048	北伊丹電留1番	5:25	西明石→支所	9:16		回1523M	1128C	133C	入区																	
							5:25-33	宝5:39	都7:16	西明石9:16着																	
92	A0077	支所→西明石	5:42	西明石→支所	9:52			116C	143C	入区																	
								西5:42	都7:48	西明石9:52着																	
93	A0009	森支放出派→放出	4:57	放出→森支放出派	9:--			4401S	4408S	4437M	4454M	4481S	回214S	入区													
								放4:57	橋5:40	松6:22	尼7:36	四8:19	京橋8:42着														
94	A0015	森支放出派→放出	6:--	放出→森支放出派	9:--			回208S	4435M	4456M	4495S	回218S	入区														
								放	四6:30	塚7:33	松8:44	京橋9:27着															
95	A0084	支所→西明石	6:32	放出→森支放出派	9:32					4456C	4487S	回216S	入区														
										西6:32	四8:34	京橋8:56/9:27-32															
96	A0072	京田辺1番	6:52	放出→森支放出派	8:43			5753M	4453M	4468M	入区																
								辺6:52	橋7:42	塚8:12	放出8:43着																
97	A0008	松井山手2番	6:02	放出→森支放出派	9:12					4431M	4478M	入区															
										松6:02	新7:53	放出9:12着															
	A0701	吹田高槻派→高槻	7:20	大阪→宮原操	11:16					517C	524C	吹田高槻派待機	回5671M	入区													
	宮原車									高7:20	尼8:05	高槻8:39着															
98	A0011	森支放出派→放出	5:55	高槻→吹田高槻派	8:56			4415S	4416S	4457M	526C	入区															
								放5:55	橋6:18	松7:06	尼8:22	高槻8:56着															
	A0703	吹田高槻派→高槻	7:43	高槻→吹田高槻派	9:10					519C	528C	入区															
	宮原車									高7:43	尼8:34	高槻9:10着															
99	A0082	宮原操→大阪	4:--	高槻→吹田高槻派	9:28		↑宮操-大阪折返7番4:54-5:05-吹田	回2321M	回5680M	回1525M	4442M	4467M	530C	入区													
								吹田-尼2 5:33-33	新6:14	四7:49	尼8:54	高槻9:28着															
	A0702	宮原操→大阪	4:56	高槻→吹田高槻派	9:32		回2323M	504C	513C	518C	521C	532C	入区														
	宮原車						宮操	阪5:15	都6:11	尼7:21	高8:07	尼8:58	高槻9:32着														
100	A0010	207系運用予備	7両	森支放出派予備																							
整理用																											
101	1	予備	7両	明石支所予備																							
102	2	予備	7両	明石支所予備																							
103	3	予備	7両	明石支所予備																							
104	4	予備	7両	明石支所予備																							
105	5	予備	7両	明石支所予備																							
106	6	予備	7両	明石支所予備																							
107	7	予備	7両	明石支所予備																							
(108)		モハ207-1032	1両	明石支所予備																							
	A0704	1	205系予備	7両	宮原操																						
	宮原車																										

◆駅名について  
始発時刻を記入していますが、始発駅については下記の通りです。  
奈良 奈良  
木津 木津  
京田辺 京田辺  
松井山手 松井山手  
長尾 長尾  
四條畷 四條畷  
放出 放出  
京橋 京橋  
塚or口 塚口  
宝塚 宝塚  
新篠 新篠  
篠山口 篠山口

近舞-近江舞子  
都 京都  
高 高槻  
阪 大阪  
尼 尼崎  
甲 甲子園口  
神 神戸  
西 西明石  
加 加古川

※新三田電留の留置番線は  
実際に確認済(提供情報による)  
この電留線の留置番線は決まっています。

一その後、高槻→大阪經由一外一宮操回送となる。  
高槻10:38-大阪3番10:56-11:02-宮操11:16  
↑大阪の時刻確定

注:205系宮原車運用は701~703となりますが、  
実際の車両表示はA01~A03(C2)のLED化後注意、701~703となります。



◆207/321系-7両

Table with 4 columns: Train No., Route, Time, and Destination. Lists train schedules for 207 and 321 series, 7-car configuration.

Table with 4 columns: Train No., Route, Time, and Destination. Lists train schedules for 207 and 321 series, 7-car configuration.

※各駅での電留線番線について
今回はまだ、実際の夜間留置については未確認ですが、概ね、左記で確定と思われます。

平日-土休日、土休日-平日の「運用移り変わり」については、現在の所、まだ未整理です。
※運用移りは網干明石のみです。宮原車は平日、土休日共に運用移りは運用番号順です。

◆学研都市線下り回送

Table with 4 columns: Train No., Route, Time, and Destination. Lists return service schedules for the Gakko City Line.

◆学研都市線上り回送

Table with 4 columns: Train No., Route, Time, and Destination. Lists return service schedules for the Gakko City Line.

◆223系-4両

Table with 4 columns: Train No., Route, Time, and Destination. Lists train schedules for the 223 series, 4-car configuration.

◆205系-7両

Table with 4 columns: Train No., Route, Time, and Destination. Lists train schedules for the 205 series, 7-car configuration.

◆225系-6両

Table with 4 columns: Train No., Route, Time, and Destination. Lists train schedules for the 225 series, 6-car configuration.

新三田8両出区
A0513+A0506
A0504+A0554
A0516+A0509
A0515+A0508

Table with 5 columns: Train No., Car No., and VVVF status for various train models (T10, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30).

◆2012-3-20~4-21の間、207系の組成  
恐らく、組替もなく、下記で一定とみられますのでまとめます。

Table with 2 columns: 車両番号 (e.g., 101 H1 S13) and 編成 (e.g., T4 S1). Rows 101-202.

Main train schedule table with columns for train numbers, routes, and times. Includes a summary table at the bottom right with 5/1確認結果 (A0507, MA15, A0514, MA12).

◆2012-4-6(金)朝ラッシュ時点での運用変更関連  
A0027、D12が、121Cでの京都電留1奥出区時点で、何らかのアクシデント(その理由は不明)があった模様で、下記のように運用変更

▼A0027-121C取消、121Cは高槻から特発、Z14+S14編成(A0043-110Cから)で充当、日中の運行もA0043表示で代走を確認  
▼110C(A0043)の折返515C以降は、D12で代走。D12は本来は147C(A0094)出区運用とみられる。  
515C充当時はA0000表示だったが、その後A0094表示に  
▼523C(A0024)のD4は、京都から所定、高槻から147C(A0064)に充当変更、所定充当D12の515C代走による  
これにより、523C(A0024)の高槻-尼崎間、523C(A702)の尼崎-高槻間取消、534C(A0024)に、521C(A702)充当の、宮原車C1で代走  
いずれも、前後の列車と間隔が狭いためか、523C-532Cを取消することで車両を捻出されたことになる。  
▼A0024運用は、534Cの次が1151C充当のため、そのまま205系充当となる。このため、526C(A0011.8:56着)で入区した  
朝充当だけのT16+S8編成を再出区させることで、その後の1151C(A0024)の充当となる。  
▼尚、上記の運用変更は、吹田工場高槻派出所の予備運用がないための運用変更、車両捻出である。  
この予備が元々からあれば、こうした運用変更はなかったものと考えられ、放出派出所同様、高槻派出所の予備運用が望まれる所です。

◆2012-4-17(火)15~23時点の充当編成一覧(車番や編成番号確認出来た分のみです)

Table showing train assignments and status (e.g., 未確認, 確定) for various train numbers and routes.

▼同日のダイヤ乱れ  
1213C(北伊丹18:49)、5520M以降時点で、北伊丹での線路内立ち入りのため、運用変更があり  
上記については、その運用変更前となります。(一部その変更にて推測あり)

Table with 2 columns: 確定 (T6, S17, T16, S8, D20) and 吹田折返 (1229C, 1216C, 1218C) / 高槻 (1231C, 1233C).

Table with 4 columns: 2012-4-6(金)時点, 宮原車, 2012-4-17(火)時点, 宮原車. Shows train numbers and status (e.g., 推測, 推測, 推測).

Table with 4 columns: 2012-4-17未確認編成, D2, D3, D36, D38, H3, H6, H8, H10, H11, S3, S4, S9, S10, S11, S12, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S26, S27, S28, S29, S30, S31, S32, S33, S34, S35, S36, S37, S38, S39, S40, S41, S42, S43, S44, S45, S46, S47, S48, S49, S50, S51, S52, S53, S54, S55, S56, S57, S58, S59, S60, S61, S62, S63, S64, S65, S66, S67, S68, S69, S70, S71, S72, S73, S74, S75, S76, S77, S78, S79, S80, S81, S82, S83, S84, S85, S86, S87, S88, S89, S90, S91, S92, S93, S94, S95, S96, S97, S98, S99, S100, S101, S102, S103, S104, S105, S106, S107, S108, S109, S110, S111, S112, S113, S114, S115, S116, S117, S118, S119, S120, S121, S122, S123, S124, S125, S126, S127, S128, S129, S130, S131, S132, S133, S134, S135, S136, S137, S138, S139, S140, S141, S142, S143, S144, S145, S146, S147, S148, S149, S150, S151, S152, S153, S154, S155, S156, S157, S158, S159, S160, S161, S162, S163, S164, S165, S166, S167, S168, S169, S170, S171, S172, S173, S174, S175, S176, S177, S178, S179, S180, S181, S182, S183, S184, S185, S186, S187, S188, S189, S190, S191, S192, S193, S194, S195, S196, S197, S198, S199, S200, S201, S202, S203, S204, S205, S206, S207, S208, S209, S210, S211, S212, S213, S214, S215, S216, S217, S218, S219, S220, S221, S222, S223, S224, S225, S226, S227, S228, S229, S230, S231, S232, S233, S234, S235, S236, S237, S238, S239, S240, S241, S242, S243, S244, S245, S246, S247, S248, S249, S250, S251, S252, S253, S254, S255, S256, S257, S258, S259, S260, S261, S262, S263, S264, S265, S266, S267, S268, S269, S270, S271, S272, S273, S274, S275, S276, S277, S278, S279, S280, S281, S282, S283, S284, S285, S286, S287, S288, S289, S290, S291, S292, S293, S294, S295, S296, S297, S298, S299, S300, S301, S302, S303, S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314, S315, S316, S317, S318, S319, S320, S321, S322, S323, S324, S325, S326, S327, S328, S329, S330, S331, S332, S333, S334, S335, S336, S337, S338, S339, S340, S341, S342, S343, S344, S345, S346, S347, S348, S349, S350, S351, S352, S353, S354, S355, S356, S357, S358, S359, S360, S361, S362, S363, S364, S365, S366, S367, S368, S369, S370, S371, S372, S373, S374, S375, S376, S377, S378, S379, S380, S381, S382, S383, S384, S385, S386, S387, S388, S389, S390, S391, S392, S393, S394, S395, S396, S397, S398, S399, S400, S401, S402, S403, S404, S405, S406, S407, S408, S409, S410, S411, S412, S413, S414, S415, S416, S417, S418, S419, S420, S421, S422, S423, S424, S425, S426, S427, S428, S429, S430, S431, S432, S433, S434, S435, S436, S437, S438, S439, S440, S441, S442, S443, S444, S445, S446, S447, S448, S449, S450, S451, S452, S453, S454, S455, S456, S457, S458, S459, S460, S461, S462, S463, S464, S465, S466, S467, S468, S469, S470, S471, S472, S473, S474, S475, S476, S477, S478, S479, S480, S481, S482, S483, S484, S485, S486, S487, S488, S489, S490, S491, S492, S493, S494, S495, S496, S497, S498, S499, S500, S501, S502, S503, S504, S505, S506, S507, S508, S509, S510, S511, S512, S513, S514, S515, S516, S517, S518, S519, S520, S521, S522, S523, S524, S525, S526, S527, S528, S529, S530, S531, S532, S533, S534, S535, S536, S537, S538, S539, S540, S541, S542, S543, S544, S545, S546, S547, S548, S549, S550, S551, S552, S553, S554, S555, S556, S557, S558, S559, S560, S561, S562, S563, S564, S565, S566, S567, S568, S569, S570, S571, S572, S573, S574, S575, S576, S577, S578, S579, S580, S581, S582, S583, S584, S585, S586, S587, S588, S589, S590, S591, S592, S593, S594, S595, S596, S597, S598, S599, S600, S601, S602, S603, S604, S605, S606, S607, S608, S609, S610, S611, S612, S613, S614, S615, S616, S617, S618, S619, S620, S621, S622, S623, S624, S625, S626, S627, S628, S629, S630, S631, S632, S633, S634, S635, S636, S637, S638, S639, S640, S641, S642, S643, S644, S645, S646, S647, S648, S649, S650, S651, S652, S653, S654, S655, S656, S657, S658, S659, S660, S661, S662, S663, S664, S665, S666, S667, S668, S669, S670, S671, S672, S673, S674, S675, S676, S677, S678, S679, S680, S681, S682, S683, S684, S685, S686, S687, S688, S689, S690, S691, S692, S693, S694, S695, S696, S697, S698, S699, S700, S701, S702, S703, S704, S705, S706, S707, S708, S709, S710, S711, S712, S713, S714, S715, S716, S717, S718, S719, S720, S721, S722, S723, S724, S725, S726, S727, S728, S729, S730, S731, S732, S733, S734, S735, S736, S737, S738, S739, S740, S741, S742, S743, S744, S745, S746, S747, S748, S749, S750, S751, S752, S753, S754, S755, S756, S757, S758, S759, S760, S761, S762, S763, S764, S765, S766, S767, S768, S769, S770, S771, S772, S773, S774, S775, S776, S777, S778, S779, S780, S781, S782, S783, S784, S785, S786, S787, S788, S789, S790, S791, S792, S793, S794, S795, S796, S797, S798, S799, S800, S801, S802, S803, S804, S805, S806, S807, S808, S809, S810, S811, S812, S813, S814, S815, S816, S817, S818, S819, S820, S821, S822, S823, S824, S825, S826, S827, S828, S829, S830, S831, S832, S833, S834, S835, S836, S837, S838, S839, S840, S841, S842, S843, S844, S845, S846, S847, S848, S849, S850, S851, S852, S853, S854, S855, S856, S857, S858, S859, S860, S861, S862, S863, S864, S865, S866, S867, S868, S869, S870, S871, S872, S873, S874, S875, S876, S877, S878, S879, S880, S881, S882, S883, S884, S885, S886, S887, S888, S889, S890, S891, S892, S893, S894, S895, S896, S897, S898, S899, S900, S901, S902, S903, S904, S905, S906, S907, S908, S909, S910, S911, S912, S913, S914, S915, S916, S917, S918, S919, S920, S921, S922, S923, S924, S925, S926, S927, S928, S929, S930, S931, S932, S933, S934, S935, S936, S937, S938, S939, S940, S941, S942, S943, S944, S945, S946, S947, S948, S949, S950, S951, S952, S953, S954, S955, S956, S957, S958, S959, S960, S961, S962, S963, S964, S965, S966, S967, S968, S969, S970, S971, S972, S973, S974, S975, S976, S977, S978, S979, S980, S981, S982, S983, S984, S985, S986, S987, S988, S989, S990, S991, S992, S993, S994, S995, S996, S997, S998, S999, S1000, S1001, S1002, S1003, S1004, S1005, S1006, S1007, S1008, S1009, S1010, S1011, S1012, S1013, S1014, S1015, S1016, S1017, S1018, S1019, S1020, S1021, S1022, S1023, S1024, S1025, S1026, S1027, S1028, S1029, S1030, S1031, S1032, S1033, S1034, S1035, S1036, S1037, S1038, S1039, S1040, S1041, S1042, S1043, S1044, S1045, S1046, S1047, S1048, S1049, S1050, S1051, S1052, S1053, S1054, S1055, S1056, S1057, S1058, S1059, S1060, S1061, S1062, S1063, S1064, S1065, S1066, S1067, S1068, S1069, S1070, S1071, S1072, S1073, S1074, S1075, S1076, S1077, S1078, S1079, S1080, S1081, S1082, S1083, S1084, S1085, S1086, S1087, S1088, S1089, S1090, S1091, S1092, S1093, S1094, S1095, S1096, S1097, S1098, S1099, S1100, S1101, S1102, S1103, S1104, S1105, S1106, S1107, S1108, S1109, S1110, S1111, S1112, S1113, S1114, S1115, S1116, S1117, S1118, S1119, S1120, S1121, S1122, S1123, S1124, S1125, S1126, S1127, S1128, S1129, S1130, S1131, S1132, S1133, S1134, S1135, S1136, S1137, S1138, S1139, S1140, S1141, S1142, S1143, S1144, S1145, S1146, S1147, S1148, S1149, S1150, S1151, S1152, S1153, S1154, S1155, S1156, S1157, S1158, S1159, S1160, S1161, S1162, S1163, S1164, S1165, S1166, S1167, S1168, S1169, S1170, S1171, S1172, S1173, S1174, S1175, S1176, S1177, S1178, S1179, S1180, S1181, S1182, S1183, S1184, S1185, S1186, S1187, S1188, S1189, S1190, S1191, S1192, S1193, S1194, S1195, S1196, S1197, S1198, S1199, S1200, S1201, S1202, S1203, S1204, S1205, S1206, S1207, S1208, S1209, S1210, S1211, S1212, S1213, S1214, S1215, S1216, S1217, S1218, S1219, S1220, S1221, S1222, S1223, S1224, S1225, S1226, S1227, S1228, S1229, S1230, S1231, S1232, S1233, S1234, S1235, S1236, S1237, S1238, S1239, S1240, S1241, S1242, S1243, S1244, S1245, S1246, S1247, S1248, S1249, S1250, S1251, S1252, S1253, S1254, S1255, S1256, S1257, S1258, S1259, S1260, S1261, S1262, S1263, S1264, S1265, S1266, S1267, S1268, S1269, S1270, S1271, S1272, S1273, S1274, S1275, S1276, S1277, S1278, S1279, S1280, S1281, S1282, S1283, S1284, S1285, S1286, S1287, S1288, S1289, S1290, S1291, S1292, S1293, S1294, S1295, S1296, S1297, S1298, S1299, S1300, S1301, S1302, S1303, S1304, S1305, S1306, S1307, S1308, S1309, S1310, S1311, S1312, S1313, S1314, S1315, S1316, S1317, S1318, S1319, S1320, S1321, S1322, S1323, S1324, S1325, S1326, S1327, S1328, S1329, S1330, S1331, S1332, S1333, S1334, S1335, S1336, S1337, S1338, S1339, S1340, S1341, S1342, S1343, S1344, S1345, S1346, S1347, S1348, S1349, S1350, S1351, S1352, S1353, S1354, S1355, S1356, S1357, S1358, S1359, S1360, S1361, S1362, S1363, S1364, S1365, S1366, S1367, S1368, S1369, S1370, S1371, S1372, S1373, S1374, S1375, S1376, S1377, S1378, S1379, S1380, S1381, S1382, S1383, S1384, S1385, S1386, S1387, S1388, S1389, S1390, S1391, S1392, S1393, S1394, S1395, S1396, S1397, S1398, S1399, S1400, S1401, S1402, S1403, S1404, S1405, S1406, S1407, S1408, S1409, S1410, S1411, S1412, S1413, S1414, S1415, S1416, S1417, S1418, S1419, S1420, S1421, S1422, S1423, S1424, S1425, S1426, S1427, S1428, S1429, S1430, S1431, S1432, S1433, S1434, S1435, S1436, S1437, S1438, S1439, S1440, S1441, S1442, S1443, S1444, S1445, S1446, S1447, S1448, S1449, S1450, S1451, S1452, S1453, S1454, S1455, S1456, S1457, S1458, S1459, S1460, S1461, S1462, S1463, S1464, S1465, S1466, S1467, S1468, S1469, S1470, S1471, S1472, S1473, S1474, S1475, S1476, S1477, S1478, S1479, S1480, S1481, S1482, S1483, S1484, S1485, S1486, S1487, S1488, S1489, S1490, S1491, S1492, S1493, S1494, S1495, S1496, S1497, S1498, S1499, S1500, S1501, S1502, S1503, S1504, S1505, S1506, S1507, S1508, S1509, S1510, S1511, S1512, S1513, S1514, S1515, S1516, S1517, S1518, S1519, S1520, S1521, S1522, S1523, S1524, S1525, S1526, S1527, S1528, S1529, S1530, S1531, S1532, S1533, S1534, S1535, S1536, S1537, S1538, S1539, S1540, S1541, S1542, S1543, S1544, S1545, S1546, S1547, S1548, S1549, S1550, S1551, S1552, S1553, S1554, S1555, S1556, S1557, S1558, S1559, S1560, S1561, S1562, S1563, S1564, S1565, S1566, S1567, S1568, S1569, S1570, S1571, S1572, S1573, S1574, S1575, S1576, S1577, S1578, S1579, S1580, S1581, S1582, S1583, S1584, S1585, S1586, S1587, S1588, S1589, S1590, S1591, S1592, S1593, S1594, S1595, S1596, S1597, S1598, S1599, S1600, S1601, S1602, S1603, S1604, S1605, S1606, S1607, S1608, S1609, S1610, S1611, S1612, S1613, S1614, S1615, S1616, S1617, S1618, S1619, S1620, S1621, S1622, S1623, S1624, S1625, S1626, S1627, S1628, S1629, S1630, S1631, S1632, S1633, S1634, S1635, S1636, S1637, S1638, S1639, S1640, S1641, S1642, S1643, S1644, S1645, S1646, S1647, S1648, S1649, S1650, S1651, S1652, S1653, S1654, S1655, S1656, S1657, S1658, S1659, S1660, S1661, S1662, S1663, S1664, S1665, S1666, S1667, S1668, S1669, S1670, S1671, S1672, S1673, S1674, S1675, S1676, S1677, S1678, S1679, S1680, S1681, S1682, S1683, S1684, S1685, S1686, S1687, S1688, S1689, S1690, S1691, S1692, S1693, S1694, S1695, S1696, S1697, S1698, S1699, S1700, S1701, S1702, S1703, S1704, S1705, S1706, S1707, S1708, S1709, S1710, S1711, S1712, S1713, S1714, S1715, S1716, S1717, S1718, S1719, S1720, S1721, S1722, S1723, S1724, S1725, S1726, S1727, S1728, S1729, S1730, S1731, S1732, S1733, S1734, S1735, S1736, S1737, S1738, S1739, S1740, S1741, S1742, S1743, S1744, S1745, S1746, S1747, S1748, S1749, S1750, S1751, S1752, S1753, S1754, S1755, S1756, S1757, S1758, S1759, S1760, S1761, S1762, S1763, S1764, S1765, S1766, S1767, S1768, S1769, S1770, S1771, S1772, S1773, S1774, S1775, S1776, S1777, S1778, S1779, S1780, S1781, S1782, S1783, S1784, S1785, S1786, S1787, S1788, S1789, S1790, S1791, S1792, S1793, S1794, S1795, S1796, S1797, S1798, S1799, S1800, S1801, S1802, S1803, S1804, S1805, S1806, S1807, S1808, S1809, S1810, S1811, S1812, S1813, S1814, S1815, S1816, S1817, S1818, S1819, S1820, S1821, S1822, S1823, S1824, S1825, S1826, S1827, S1828, S1829, S1830, S1831, S1832, S1833, S1834, S1835, S1836, S1837, S1838, S1839, S1840, S1841, S1842, S1843, S1844, S1845, S1846, S1847, S1848, S1849, S1850, S1851, S1852, S1853, S1854, S1855, S1856, S1857, S1858, S1859, S1860, S1861, S1862, S1863, S1864, S1865, S1866, S1867, S1868, S1869, S1870, S1871, S1872, S1873, S1874, S1875, S1876, S1877, S1878, S1879, S1880, S1881, S1882, S1883, S1884, S1885, S1886, S1887, S1888, S1889, S1890, S1891, S1892, S1893, S1894, S1895, S1896, S1897, S1898, S1899, S1900, S1901, S1902, S1903, S1904, S1905, S1906, S1907, S1908, S1909, S1910, S1911, S1912, S1913, S1914, S1915, S1916, S1917, S1918, S1919, S1920, S1921, S1922, S1923, S1924, S1925, S1926, S1927, S1928, S1929, S1930, S1931, S1932, S1933, S1934, S1935, S1936, S1937, S1938, S1939, S1940, S1941, S1942, S1943, S1944, S1945, S1946, S1947, S1948, S1949, S1950, S1951, S1952, S1953, S1954, S1955, S1956, S1957, S1958, S1959, S1960, S1961, S1962, S1963, S1964, S1965, S1966, S1967, S1968, S1969, S1970, S1971, S1972, S1973, S1974, S1975, S1976, S1977, S1978, S1979, S1980, S1981, S1982, S1983, S1984, S1985, S1986, S1987, S1988, S1989, S1990, S1991, S1992, S1993, S1994, S1995, S1996, S1997, S1998, S1999, S2000, S2001, S20