

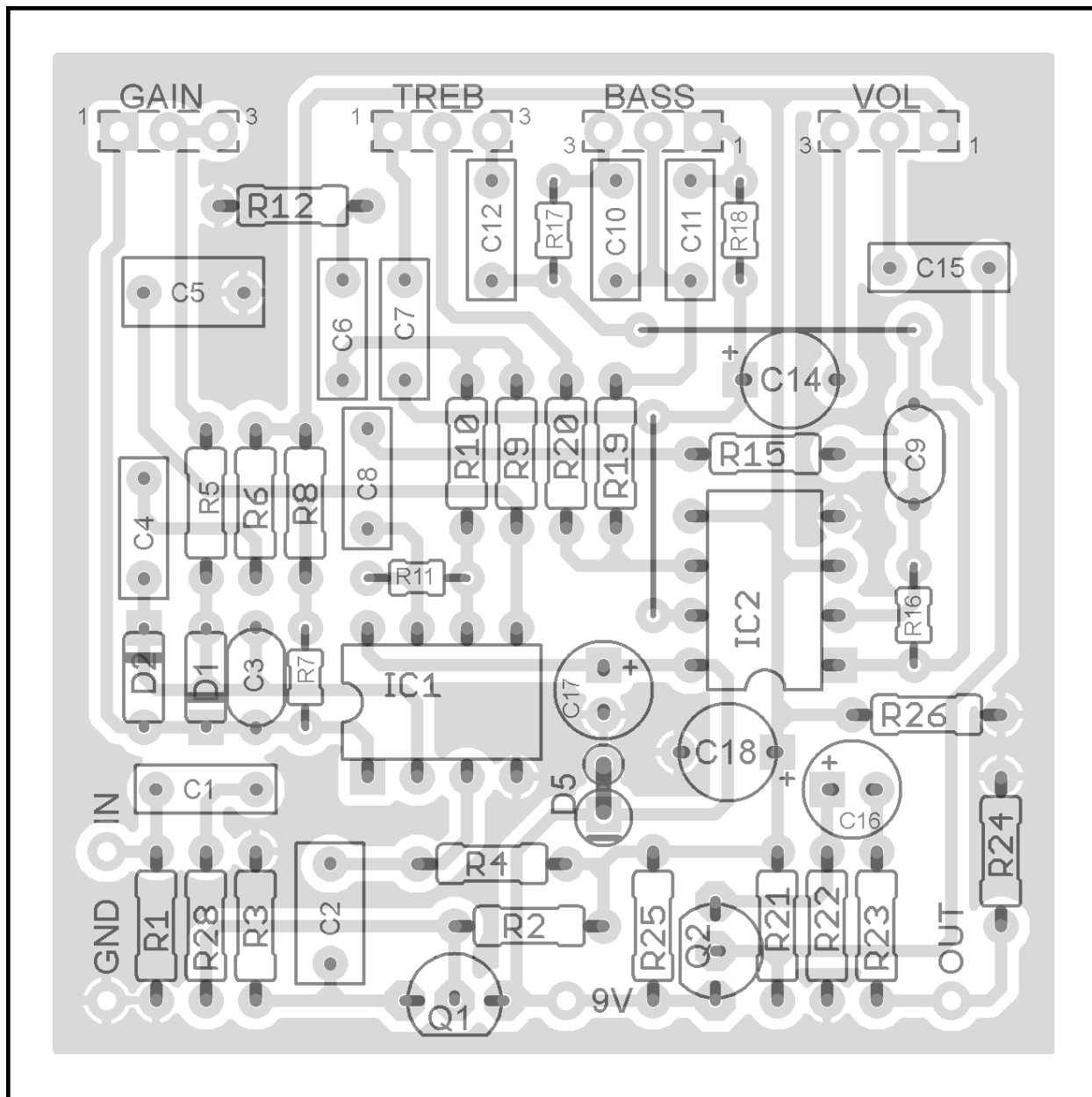
GLITTERATTI

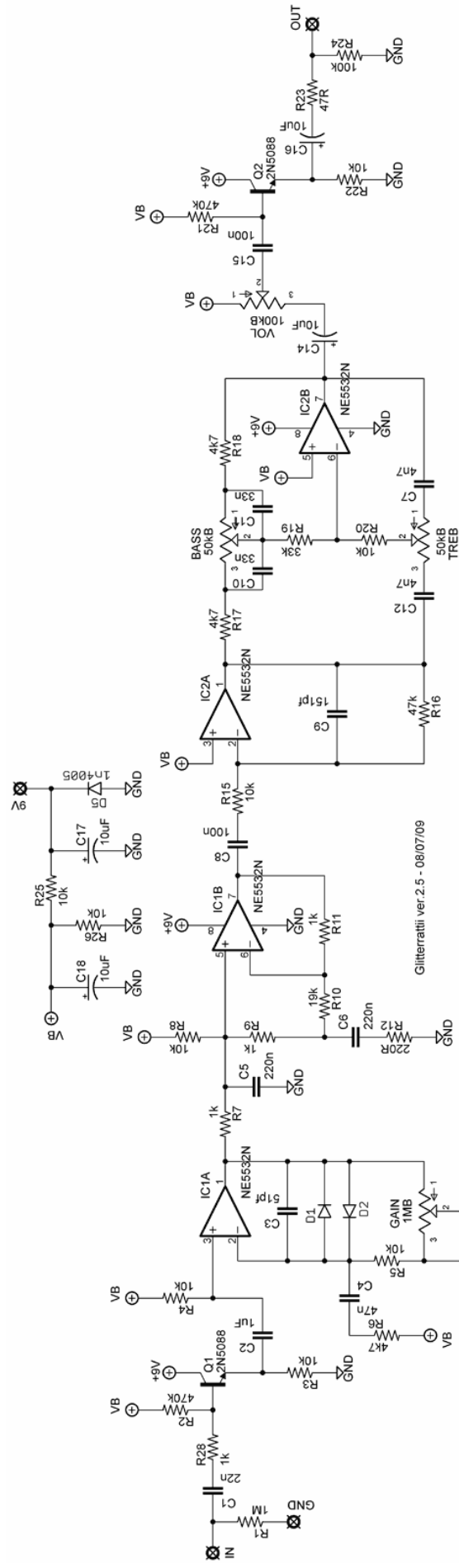
(Based on the Xotic *BB Preamp*)

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VER. 2.5 – REVISED 08/07/09





Ver 2.5

R1	1M
R2	470k
R3	10k
R4	10k
R5	10k
R6	4k7
R7	1k
R8	10k
R9	1k
R10	19k
R11	1k
R12	220R
R15	10k
R16	47k
R17	4k7
R18	4k7
R19	33k
R20	10k
R21	470k
R22	10k
R23	47R
R24	100k
R25	10k
R26	10k
R28	1k

D1 - D4	1N4148
D5	1n4005

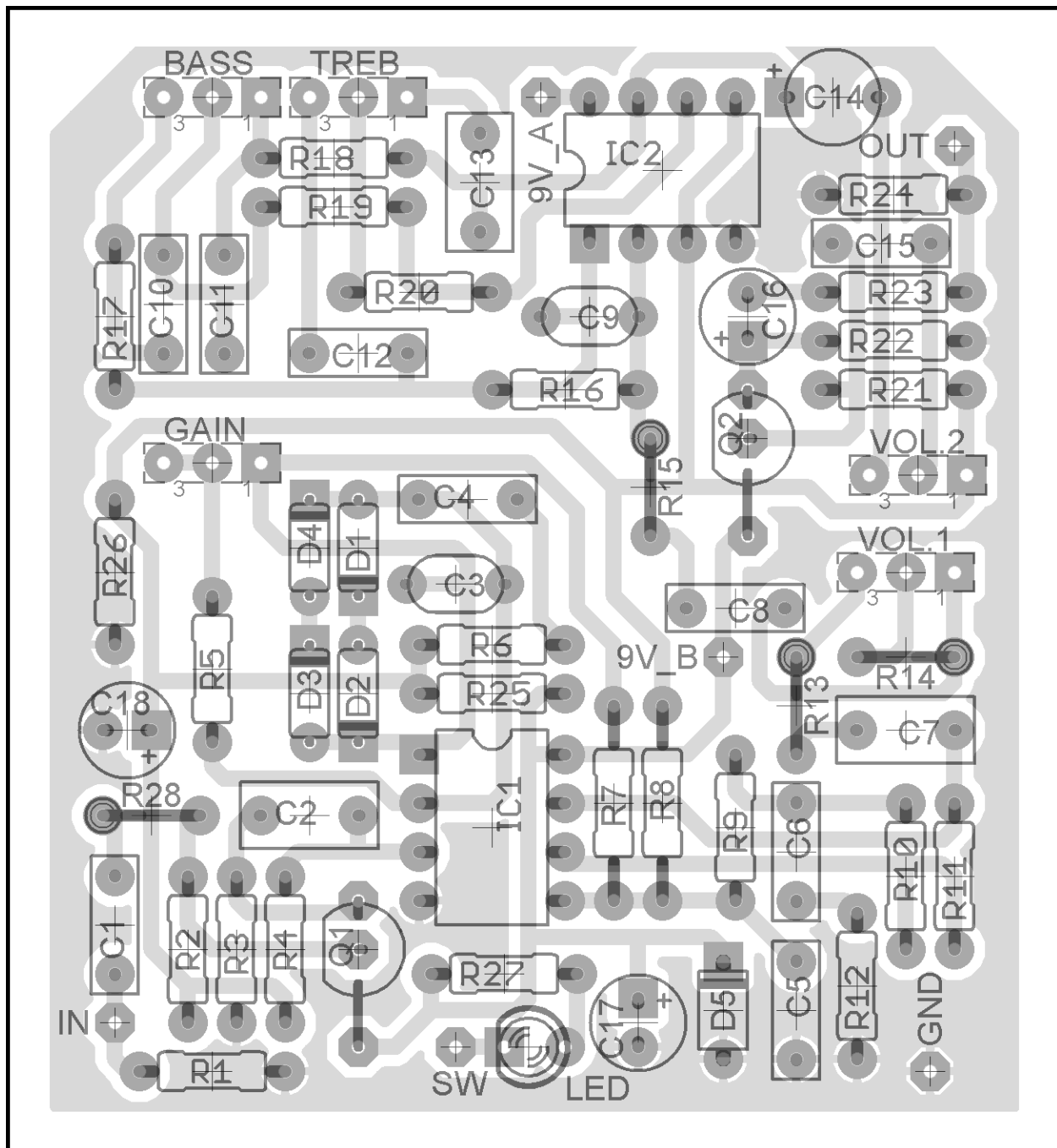
C1	22n
C2	1uF
C3	51pf
C4	47n
C5	220n
C6	220n
C7	4n7
C8	100n
C9	151pf
C10	33n
C11	33n
C12	4n7
C14	10uF
C15	100n
C16	10uF
C17	10uF
C18	10uF

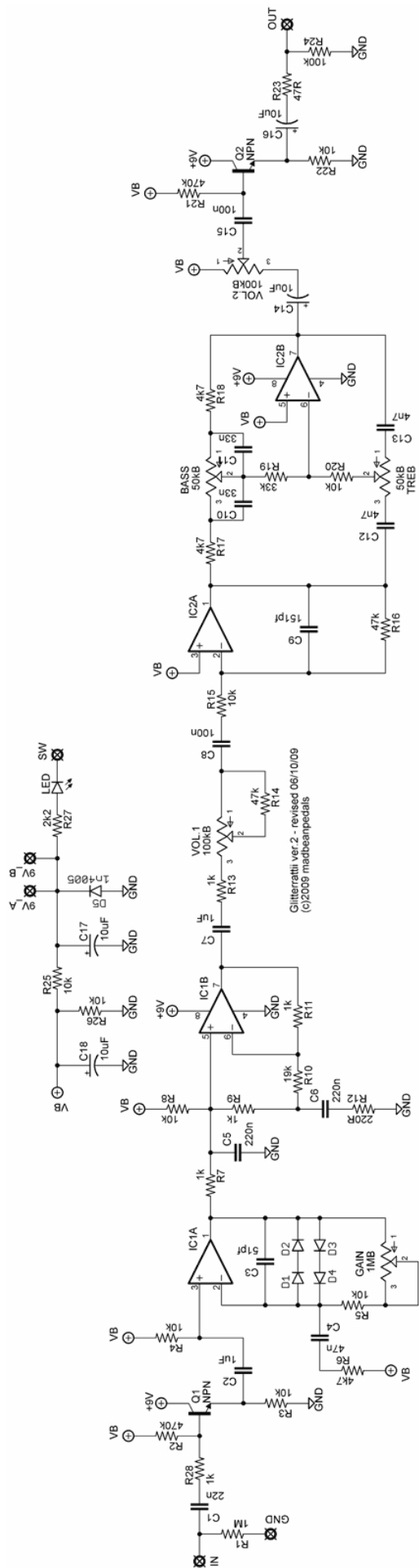
IC1	DUAL OPAMP
IC2	TL072

Q1	2N5088
Q2	2N5088

VOL	100kB
BASS	50kB
TREB	50kB
GAIN	1MB

Ver 2.0





Ver 2.0

Part	Value
R1	1M
R2	470k
R3	10k
R4	10k
R5	10k
R6	4k7
R7	1k
R8	10k
R9	1k
R10	19k
R11	1k
R12	220R
R13	1k
R14	47k
R15	10k
R16	47k
R17	4k7
R18	4k7
R19	33k
R20	10k
R21	470k
R22	10k
R23	47R
R24	100k
R25	10k
R26	10k
R27	2k2
R28	1k

Part	Value
C1	22n
C2	1uF
C3	51pf
C4	47n
C5	220n
C6	220n
C7	1uF
C8	100n
C9	151pf
C10	33n
C11	33n
C12	4n7
C13	4n7
C14	10uF
C15	100n
C16	10uF
C17	10uF
C18	10uF

D1 - D4	1N4148
D5	1n4005



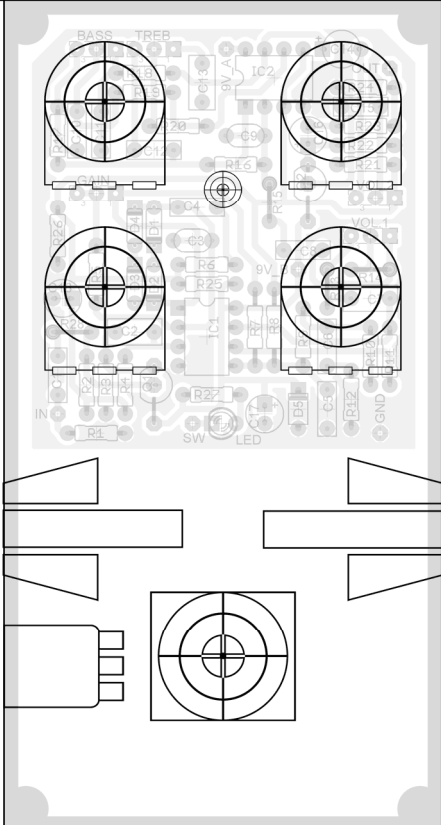
IC1	LF353, NE5532, etc
IC2	TL072

Q1, Q2	Any NPN (2n5088)
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VOL.1, 2	Dual-Gang 100kB
BASS	50kB
TREB	50kB
GAIN	1MB

Notes

- There are two 9v connections on this board, **9v_A** and **9v_B**.
- A TL072 is recommended for IC2 for low noise. LF353, NE5532, LM1458 and OPA2134 are good choices for IC1.
- Connect **SW** to your 3PDT for the LED indicator.
- If you prefer not to use a dual-gang pot for the VOLUME control, you can sub a regular 100kB pot. You should 1) omit **R14**, and 2) place a jumper from pad3 to pad1 of **VOL1**. Then connect **VOL2** to your 100kB exactly as shown on the layout.

	<p>1590B</p>	
 	 <p>The circuit board layout for the 1590B model is shown. It features four registration marks (crosshairs) at the corners. The board is populated with various components, including integrated circuits (IC1, IC2, IC3, IC4, IC5, IC6, IC7, IC8, IC9, IC10, IC11, IC12, IC13, IC14, IC15, IC16, IC17, IC18, IC19, IC20, IC21, IC22, IC23, IC24, IC25, IC26, IC27, IC28, IC29, IC30, IC31, IC32, IC33, IC34, IC35, IC36, IC37, IC38, IC39, IC40, IC41, IC42, IC43, IC44, IC45, IC46, IC47, IC48, IC49, IC50, IC51, IC52, IC53, IC54, IC55, IC56, IC57, IC58, IC59, IC60, IC61, IC62, IC63, IC64, IC65, IC66, IC67, IC68, IC69, IC70, IC71, IC72, IC73, IC74, IC75, IC76, IC77, IC78, IC79, IC80, IC81, IC82, IC83, IC84, IC85, IC86, IC87, IC88, IC89, IC90, IC91, IC92, IC93, IC94, IC95, IC96, IC97, IC98, IC99, IC100), resistors (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), diodes (D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100), and other components like SW (switch) and LED. The board is labeled with 'BASS', 'TREB', '9V A', '9V B', '9V C', '9V D', '9V E', '9V F', '9V G', '9V H', '9V I', '9V J', '9V K', '9V L', '9V M', '9V N', '9V O', '9V P', '9V Q', '9V R', '9V S', '9V T', '9V U', '9V V', '9V W', '9V X', '9V Y', '9V Z', '9V AA', '9V AB', '9V AC', '9V AD', '9V AE', '9V AF', '9V AG', '9V AH', '9V AI', '9V AJ', '9V AK', '9V AL', '9V AM', '9V AN', '9V AO', '9V AP', '9V AQ', '9V AR', '9V AS', '9V AT', '9V AU', '9V AV', '9V AW', '9V AX', '9V AY', '9V AZ', '9V BA', '9V BB', '9V BC', '9V BD', '9V BE', '9V BF', '9V BG', '9V BH', '9V BI', '9V BJ', '9V BK', '9V BL', '9V BM', '9V BN', '9V BO', '9V BP', '9V BQ', '9V BR', '9V BS', '9V BT', '9V BU', '9V BV', '9V BW', '9V BX', '9V BY', '9V BZ', '9V CA', '9V CB', '9V CC', '9V CD', '9V CE', '9V CF', '9V CG', '9V CH', '9V CI', '9V CJ', '9V CK', '9V CL', '9V CM', '9V CN', '9V CO', '9V CP', '9V CQ', '9V CR', '9V CS', '9V CT', '9V CU', '9V CV', '9V CW', '9V CX', '9V CY', '9V CZ', '9V DA', '9V DB', '9V DC', '9V DD', '9V DE', '9V DF', '9V DG', '9V DH', '9V DI', '9V DJ', '9V DK', '9V DL', '9V DM', '9V DN', '9V DO', '9V DP', '9V DQ', '9V DR', '9V DS', '9V DT', '9V DU', '9V DV', '9V DW', '9V DX', '9V DY', '9V DZ', '9V EA', '9V EB', '9V EC', '9V ED', '9V EE', '9V EF', '9V EG', '9V EH', '9V EI', '9V EJ', '9V EK', '9V EL', '9V EM', '9V EN', '9V EO', '9V EP', '9V EQ', '9V ER', '9V ES', '9V ET', '9V EU', '9V EV', '9V EW', '9V EX', '9V EY', '9V EZ', '9V FA', '9V FB', '9V FC', '9V FD', '9V FE', '9V FF', '9V FG', '9V FH', '9V FI', '9V FJ', '9V FK', '9V FL', '9V FM', '9V FN', '9V FO', '9V FP', '9V FQ', '9V FR', '9V FS', '9V FT', '9V FU', '9V FV', '9V FW', '9V FX', '9V FY', '9V FZ', '9V GA', '9V GB', '9V GC', '9V GD', '9V GE', '9V GF', '9V GH', '9V GI', '9V GJ', '9V GK', '9V GL', '9V GM', '9V GN', '9V GO', '9V GP', '9V GQ', '9V GR', '9V GS', '9V GT', '9V GU', '9V GV', '9V GW', '9V GX', '9V GY', '9V GZ', '9V HA', '9V HB', '9V HC', '9V HD', '9V HE', '9V HF', '9V HG', '9V HH', '9V HI', '9V HJ', '9V HK', '9V HL', '9V HM', '9V HN', '9V HO', '9V HP', '9V HQ', '9V HR', '9V HS', '9V HT', '9V HU', '9V HV', '9V HW', '9V HX', '9V HY', '9V HZ', '9V IA', '9V IB', '9V IC', '9V ID', '9V IE', '9V IF', '9V IG', '9V IH', '9V II', '9V IJ', '9V IK', '9V IL', '9V IM', '9V IN', '9V IO', '9V IP', '9V IQ', '9V IR', '9V IS', '9V IT', '9V IU', '9V IV', '9V IW', '9V IX', '9V IY', '9V IZ', '9V JA', '9V JB', '9V JC', '9V JD', '9V JE', '9V JF', '9V JG', '9V JH', '9V JI', '9V JJ', '9V JK', '9V JL', '9V JM', '9V JN', '9V JO', '9V JP', '9V JQ', '9V JR', '9V JS', '9V JT', '9V JU', '9V JV', '9V JW', '9V JX', '9V JY', '9V JZ', '9V KA', '9V KB', '9V KC', '9V KD', '9V KE', '9V KF', '9V KG', '9V KH', '9V KI', '9V KJ', '9V KK', '9V KL', '9V KM', '9V KN', '9V KO', '9V KP', '9V KQ', '9V KR', '9V KS', '9V KT', '9V KU', '9V KV', '9V KW', '9V KX', '9V KY', '9V KZ', '9V LA', '9V LB', '9V LC', '9V LD', '9V LE', '9V LF', '9V LG', '9V LH', '9V LI', '9V LJ', '9V LK', '9V LL', '9V LM', '9V LN', '9V LO', '9V LP', '9V LQ', '9V LR', '9V LS', '9V LT', '9V LU', '9V LV', '9V LW', '9V LX', '9V LY', '9V LZ', '9V MA', '9V MB', '9V MC', '9V MD', '9V ME', '9V MF', '9V MG', '9V MH', '9V MI', '9V MJ', '9V MK', '9V ML', '9V MM', '9V MN', '9V MO', '9V MP', '9V MQ', '9V MR', '9V MS', '9V MT', '9V MU', '9V MV', '9V MW', '9V MX', '9V MY', '9V MZ', '9V NA', '9V NB', '9V NC', '9V ND', '9V NE', '9V NF', '9V NG', '9V NH', '9V NI', '9V NJ', '9V NK', '9V NL', '9V NM', '9V NN', '9V NO', '9V NP', '9V NQ', '9V NR', '9V NS', '9V NT', '9V NU', '9V NV', '9V NW', '9V NX', '9V NY', '9V NZ', '9V OA', '9V OB', '9V OC', '9V OD', '9V OE', '9V OF', '9V OG', '9V OH', '9V OI', '9V OJ', '9V OK', '9V OL', '9V OM', '9V ON', '9V OO', '9V OP', '9V OQ', '9V OR', '9V OS', '9V OT', '9V OU', '9V OV', '9V OW', '9V OX', '9V OY', '9V OZ', '9V PA', '9V PB', '9V PC', '9V PD', '9V PE', '9V PF', '9V PG', '9V PH', '9V PI', '9V PJ', '9V PK', '9V PL', '9V PM', '9V PN', '9V PO', '9V PP', '9V PQ', '9V PR', '9V PS', '9V PT', '9V PU', '9V PV', '9V PW', '9V PX', '9V PY', '9V PZ', '9V QA', '9V QB', '9V QC', '9V QD', '9V QE', '9V QF', '9V QG', '9V QH</p>	

125B

