| | 41.77.77. 1 | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| Arquitectura de Compubalors | FECHA | | | | | | | | |
| | A planting and the state of the | | | | | | | | |
| | | | | | | | | | |
| Interrupciones: Mecaismo mediale el aval se pres | e interzompir | | | | | | | | |
| | | | | | | | | | |
| el procesamients normal de la cou | | | | | | | | | |
| | | | | | | | | | |
| Lo En con lodes los casos implica: trasperir el a gestor que: Salve d estado del procesados | control as un | | | | | | | | |
| a Salina de estada del 1000 cenadas | | | | | | | | | |
| | | | | | | | | | |
| « Corrijo o responda à la causa q | me ocasiono | | | | | | | | |
| | | | | | | | | | |
| Mérro econ | Acceptance and a second | | | | | | | | |
| . Restaure el estato original del procesa | \$60 | | | | | | | | |
| | | | | | | | | | |
| · Retorne la ejecución normal del pu | 3 9 2 2 2 2 2 | | | | | | | | |
| interungido. | | | | | | | | | |
| | | | | | | | | | |
| Jerazaia de Int. | - | | | | | | | | |
| | | | | | | | | | |
| No enmascarables: No preden 19400 | -25 se | | | | | | | | |
| (everlor peligrosos) | | | | | | | | | |
| | | | | | | | | | |
| Enmontorables: Preden ser 19401242 | s medsite | | | | | | | | |
| | | | | | | | | | |
| matrocciones que inhiba | 15 20110109 | | | | | | | | |
| And the second s | e getas in the scale of | | | | | | | | |

Interropciones por Hadrose.

tière que manejor estos eventos assinciónicos.

Traps/ Excepciones: Interrepciones por Hard creades por el }

Procesador ante creva eventos (Falle de Prog. de Hard, etc)

de sortware Therrupciones process de la deren instrucciones explicitos de pa Hard mismo morela que las interrepciones par hader llamada حليلا es thempo de Cido de Interropcione So comprobe to se he dicibal de guns interrupciós. CIndicada por Flags de pedidos de vint) se cop le siquiente instruc 5 hay pedido de interrección perdien Se superse la execución del programa Gurdo de contexão (grox rustrucción y estab Cargar el PC con la disección de gestien de Int & Se unhiber lotes Int 4 Finalizada la rabina de gestion, el grocesador retorna del programa del usard en el parte de int Les instrucciones se moneyn en en orden sequencial estrictos si se hubiero se éberse > otra, de makrdo en esper intercupación mientros Ne 7 Pre se hayn habiliban

FROMA

Definis Prioridades

Una interrupción de prioridad muso (En la cola de Int. no en ejecución)

de interrupción de prioridad mesor (En la cola de Int. no en ejecución)

Clando se ha geotienado la interrupción de prioridad man ollo, el

procesade unelue a las interrupciones gravia.

Interrupciones tultinivel

Coda dispentivo esta conecta do fisicamente de CPU

Sencillo pero caro

Linea Unica de Interrupción

Una sola entrada física de pedido de Int. o la po

se conecto toda la dispenitivo.

Se debe pregunto a cada dispositivo si ha producido el

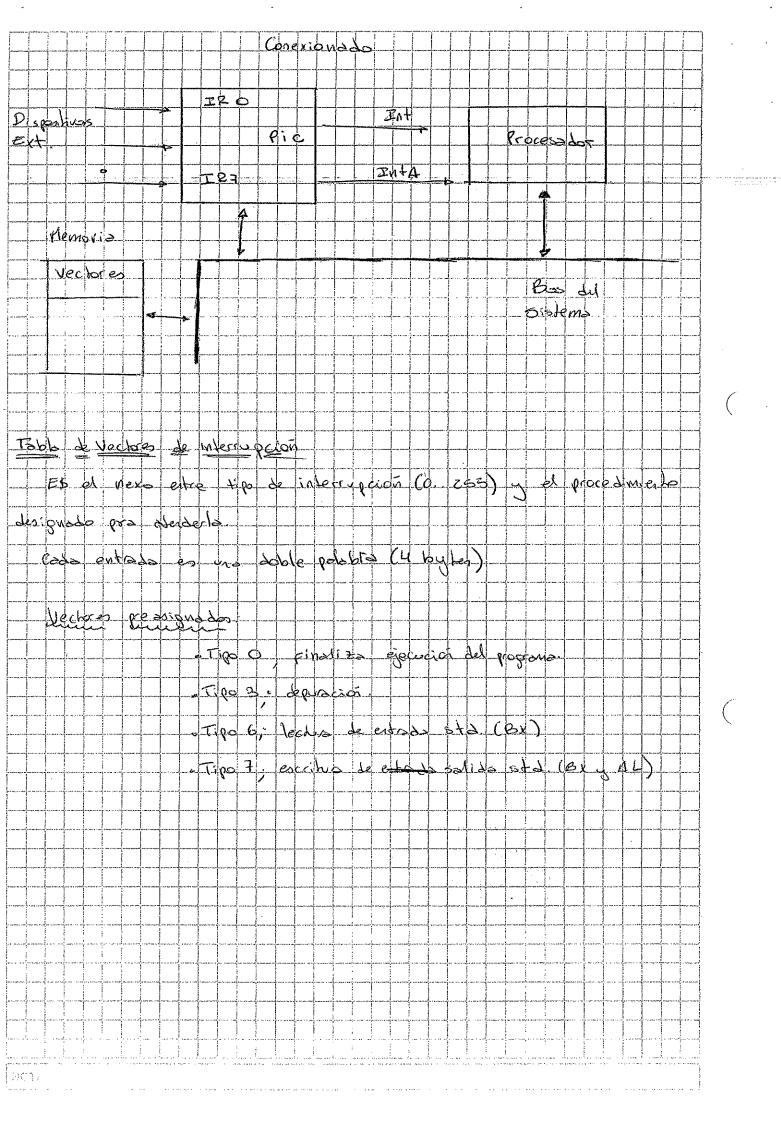
pedido de interrupción (Polling)

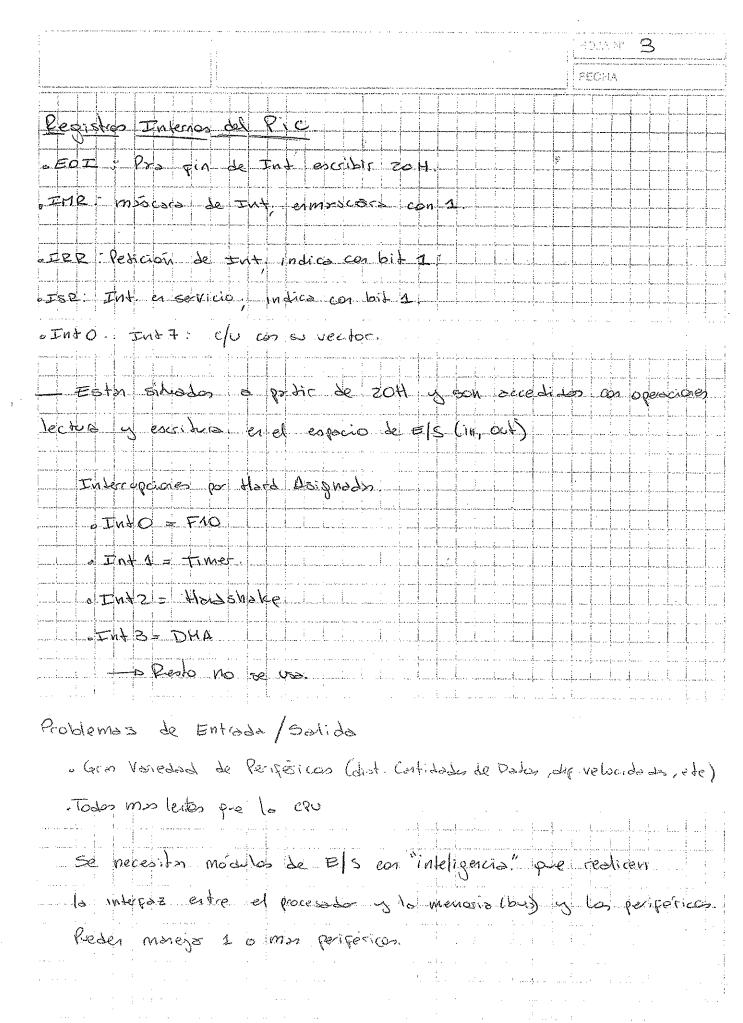
El dispositivo pe quiere interrupción de la seral de gedido de

interrupción debe adocs en el bra de dadas midentificador (vector)

le colora el controlador de Int.





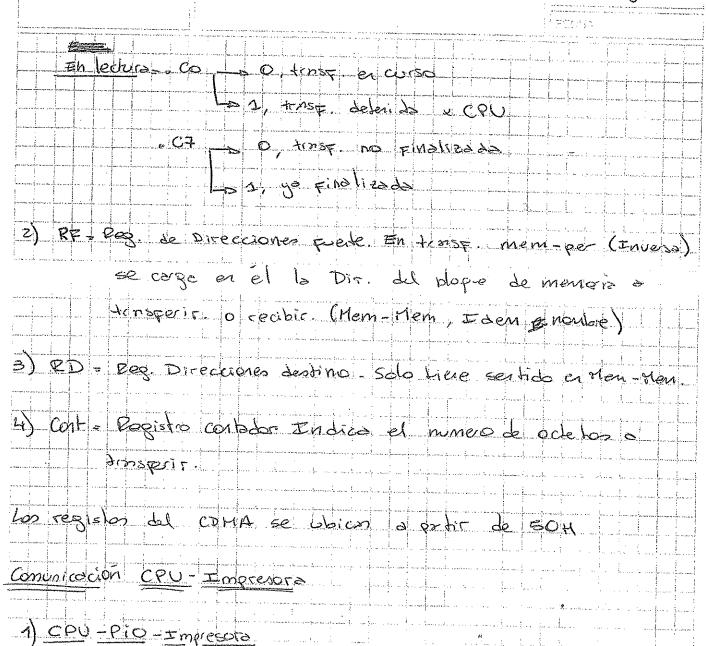


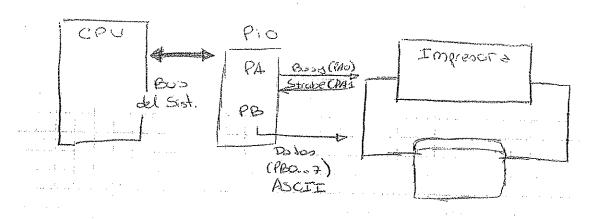
Plerbo Modelo E/S Eslado Control Oslos 07 IN Peady NOT] Adoption (1, B o 16 bits) Buffet Logica de Contrel Coversion & Dados Monejo de Direccionamento Deade 4 House el EXHIN FUNCTIONS MO'LUS ES e Portrol y temprisación de 10 mrs dispositives o Integreto al perecibe de la CR y timo minimo al perférico las controla y realiza la conesión de formados, adapteca on Follo pra pe sea merpehan - Almoceronierlo tenpost de do los (Buffering) Delección de orose de Gestion de E/S Tecnico a Programado con espes de Pespierte a) Interembro de Dates el CPU y rojavo b) CPU controlle directionense la (compriebe estado truis (não y comordos) c) Lo CRU espos pe el mojado xermino Mucho tiempo ocioso!

Apriloidad. Si existe in maratro del Bus, sub el puede interrumpir.

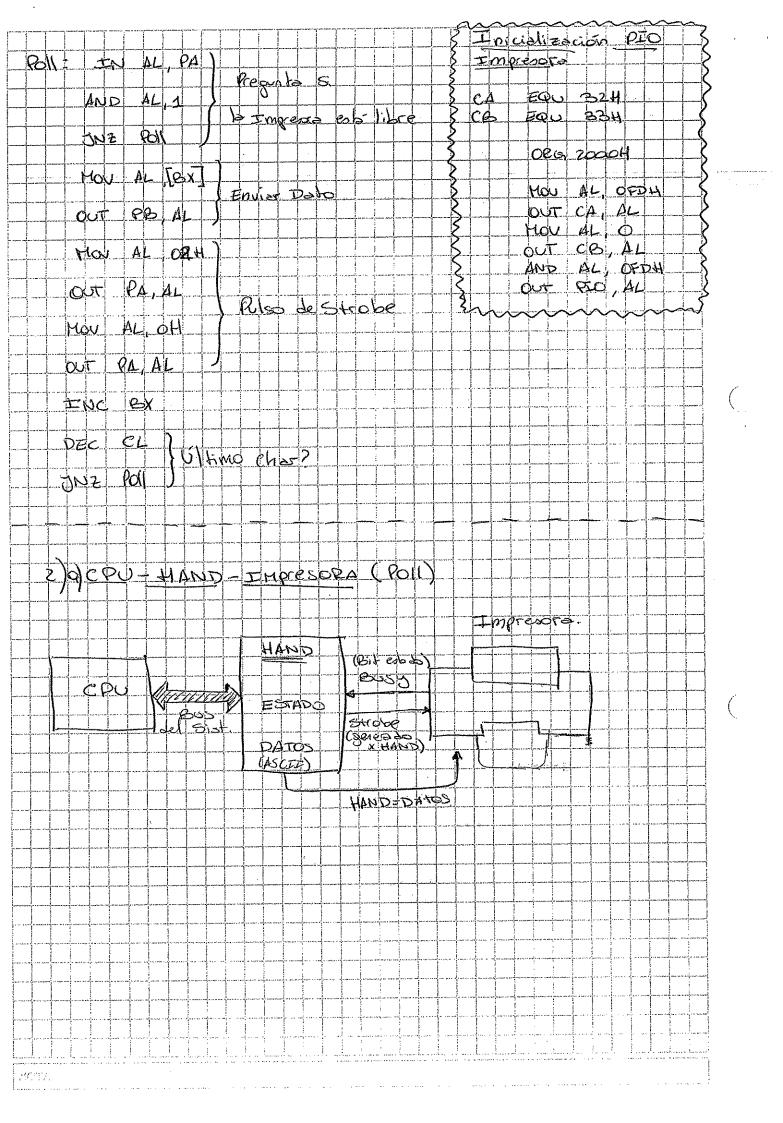
de E/S de propósido que quesero desominados perdelos queden pop lanz individualmente (Petet consigua como estrada 2 8 = contienen el dato presente en 1 cost costal persolen ecogramat coda bit cone entrada (1) o' sanda (0). Tieren 2 dansigs: Se conector a las less = 0A = 0B 31 H = PB 32 H = CA 33 H = CB corespondictes PAO: BUSY (Impresora HAND INLEST de periférie que ample la temporarización especificado en el Intuporz Centranics (BASURAI) Aguno Se comunica cou a a rogisto de estado interios = Dato x x x x x 572 8054 INT Ledy 0 = 0 no Achiva INT 1 In se activa cuondo Busy no este activa Estitus to inhibe la lime & Int 1 INT & activata S/ BOU HCTA

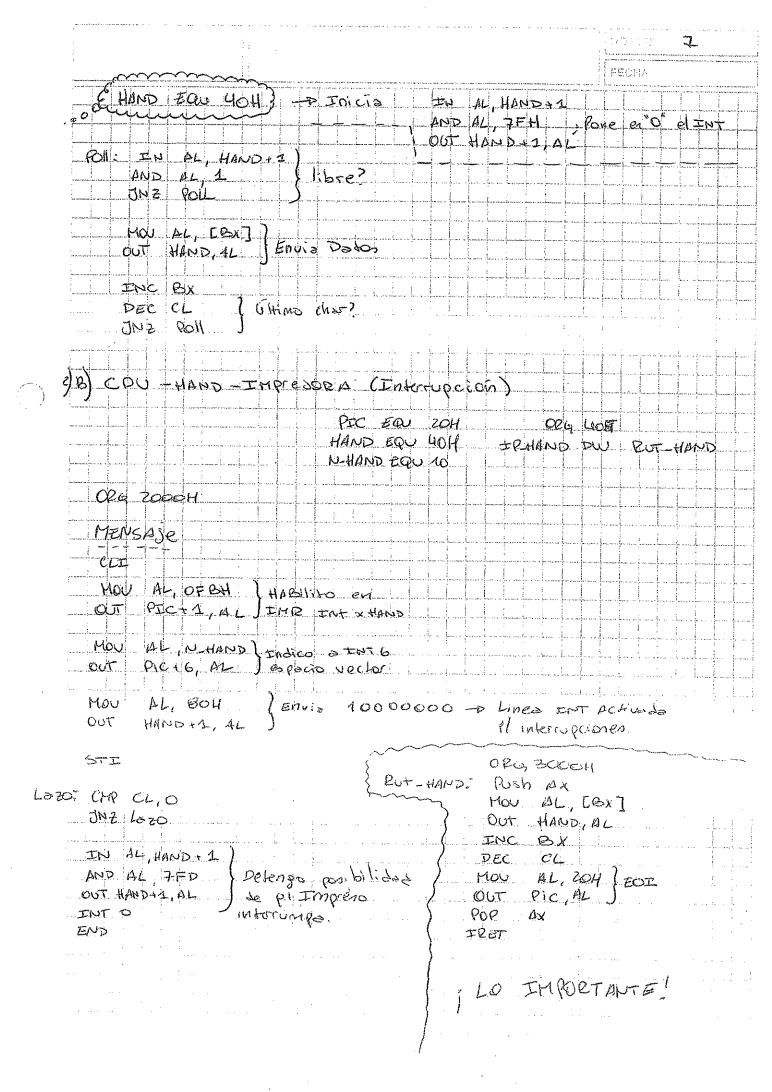
Permite el empocaramento selectivo de Int extrado de int medine but social el valor del vector Cad contrere THIO correspondiente del mismo nombite eltede = EO 1 = Solo escilors la CPU debers mardar de Final de interrupción, regreser à do go el valor 20H DMA ? Paribilita la trasporencia de datos de 8 bils Controla dora memoris memoris o memoris - perizetico e a la inversa sin intervención dérecto de la CRU y en de ciclo (Lo epu le cede la bises) sierdo el tamaño maximo del blog trasperio 64 kbytes P Modo to has. Registros terminal. +13254 DITIO 1) CTPL= TC MT ST TH STOP Escib cpu dehere la trast el curso SOH) bit F per; men o inverse SAH 01 \$24 { c++ o+ mem - mem 54 | { Dit. Dest. d 2 per mem solo here sentido si 56 1 Tigo 57 Tigo C1 = 0 mem-per Cb por demade +c\$2=_ no bloppe (Acansmile por has pe se





. ..





| That is the property of the pr | | | | | 1 | Ţ | | | | . 1 | | | ſ | | <u> </u> | | | | | | [| | | | | | | | | | | | ٠, |
|--|--------------------|-------|--|----------|------------|-------------------|--------------|--------------|-------------|--------------|--------------|--------------|----------|----------------|-------------|-------------|-------------|----------|----------|----------------|-----------------|--------------|--------------|------------|--------------|------------------|--------------|---------------------|------------|--|----------|---------|------------|
| Pic squ sou con cos so de nocett DHA ZOU SOU SOU PONA DOU ZUT DEA MENDAJO HOU GU GOL LONG CONDET COU COL LAL DES DEC DUT 2 ALL DIC OUT PIC 1. JAL DEC DUT 2 ALL DIC HOU AN OFFICE THE DEC DUT 3 ALL DIC HOU AN OFFICE THE DEC DUT 3 ALL DIC HOU AN OFFICE THE SECOND HOUSE A CONSECUTE OUT ONA 1. JAL DEC DUT 3 ALL DEC DUT 3 ALL DIC DUT ON ALL ALL DEC DUT ON ALL DUT ON ALL ALL DECODE TO THE SECOND HOUSE AND ALL DECEDOR HOUSE AND ALL DECODE TO THE SECOND HOUSE ALL | 2) | Ced. | \ | -D' | 4 1 | | | _ ~ | 201 | ىرچى | | | | (| | _la | 44 | 7 | د. د | 1 | | | | | | | | | | | | | |
| DHA EQU FOR TPORA DA 255 DIA HOMANO PROPERTY AND THE PROP | | | _ | | # * | | | = 12 | 14 | | المحمد | 0 | | 1.640 | | - CH/ | 78.5 | | # A S = | | | | | | | | | | | | | | |
| DHA EQU FOR TPORA DA 255 DIA HOMANO PROPERTY AND THE PROP | | Pic | . , | 500 | , | 20 | ц | | | | | | C | 25 | ٤ | 36 | | | , | | | | | 0 | 26 | | 10 | OE | ж | | | | |
| HAPT BU SON NOT PLAN AS DESCRIPT 2 MA PLE HOW AL M. DIAD DESCRIPT 2 MA PLE HOW AL M. DIAD DESCRIPT 193 DECRET 193 DECR | | | | | | | | | 1 | T | _D | ЧΔ | 1 | 1 | į. | | | - D | 1A | | | | | | | | | | | | | | |
| Note of the state | | HAND | E | a, | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | |
| ORG ZORDH CAT HOW AL, M DHA Reg Ist 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 | | | | - 1 | | 20 | | | | | , | | | | | | | | | | | | | | | | | | | | | | |
| CLT HOW BE NOTHER REQUESTED ALL DIC OUT PICA, ALL USE AN OFFICE TEST OUT PICA, ALL USE AN OFFICE TEST OUT PICA, ALL DIC COMMENSO WE HOW AL, AH HOW AN OFFICE TEST PIST OUT PICA, ALL OUT PICAL OUT PICA, ALL OUT PIC | | | |] | ļ | ļ | | | | | | | | | | | | | | | - | | | | , | | | | | | | | |
| CLT HOW BE NOTHER REQUESTED ALL DIC OUT PICA, ALL USE AN OFFICE TEST OUT PICA, ALL USE AN OFFICE TEST OUT PICA, ALL DIC COMMENSO WE HOW AL, AH HOW AN OFFICE TEST PIST OUT PICA, ALL OUT PICAL OUT PICA, ALL OUT PIC | | 06 | 26 | 20 | | H | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MOU AK, OFESET MS) OUT THAN AL OUT DHAHA, AL OUT DHAHAA, AL | | | | | | | | | | | | | | | | 4 | | | | | | | | | | 40,000 | | | | | | | |
| MOU AK, OFESET MS) OUT THAN AL OUT DHAHA, AL OUT DHAHAA, AL | | Мо | U | DL | يم [| - | ME | |) | 20 | Q | Î | 77 | 3 | á | گ. | 6 | C | | | | | | | | | | | | | | | |
| MOU AN, OFFSET HS) DIT COMMETS AND HELD THAT ALL DESIGNATION AND ALL A | | 06 | 7 (| nc | _ | 1 | ΔL | |) | la 21 ad 440 | J | | | | | | | | | ., | | | | | | | | | | | | | |
| DIT CAMER TO SELECT MOUNT PRINTS ALL DESCRIPTION OF CORPT MOST AND | | Mo | ر ر | Δx, | 09 | es. | Z-7 | | <i>(</i>)5 | () | | | | | | | , | | | | | | | | | | | | | | | | |
| MOV AL, AH OUT DRIA +1, PL FROM AN OFFICER FIN - OFFICER HISS) OUT DRIA +2, AL FROM AN OFFICER FIN - OFFICER HISS) OUT DRIA +3, AL STATING SSA NO SE USA SO NO HOME SENTIDE INDICE. DESTINATION FROM ALL OUT DRIA +3, AL OUT DRIA +4, AL OUT DRIA +3, AL OUT BRIAD +3, AL STORE OUT HAND +3, AL FROM MAS, A FROM | | OUT | 7 7 | 416 | ر پر لِد | AL. | | | | | נכו. | - | Cc | m | en: | 2 c | <u></u> | بركر | | | | . | | | | , | | | | | | | |
| HOW AX OFFSET FIN OFFSET HIS) CONTINUES OF MALE SENTIAL MALE COT OMALS ALL MEN ARE SENTIAL MALE COT OMALS ALL MEN ARE SENTIAL MALE COTON ALL MEN ARE SENTIAL MALE CONTINUES OF | | Mol | 1 | ١ | A | Н | <u>.</u> | | | 1 | باط | ೦೦ | ۽ پ | <u>.</u> | . | r.C | -5F | es. | 2 | | | | | | | | | | | | | | |
| HOW AX OFFSET FIN OFFSET HIS) CONTINUES OF MALE SENTIAL MALE COT OMALS ALL MEN ARE SENTIAL MALE COT OMALS ALL MEN ARE SENTIAL MALE COTON ALL MEN ARE SENTIAL MALE CONTINUES OF | | out | P | MA | + 1 | L_, | AL | | |) | | | | ļ | | | | | | | , | | | | | | | | | | | | |
| CUT DHA 2 AL HOU BY AL ALL SULL USSAL TO E US ID NO here Service Indicer Destrice FLOU AL, ILL OUT DHA 4 6 ALL OLOO, Enrice Cortol DHA PROV AL, F J. H. OUT DHA 2 AL TO ACCAMANCE TO SEC. PROV AL, BOH OUT DHA 2 AL TO ACCAMANCE TO SEC. PROV AL, BOH OUT DHA 3 AL STIP PROV AL, BOH OUT DHA 3 AL STIP OUT DHA 3 AL OUT DHA 3 AL STIP OUT DHA 3 AL OUT DHA 3 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 5 AL OUT DHA 6 AL OUT DHA 6 AL OUT DHA 7 AL OUT DHA | | | [| | | ļ | ļ | | | | | | ļ | | | | [| | | | | ļ | | | | | | s,s, s, | | | | | |
| CUT DHA 2 AL HOU BY AL ALL SULL USSAL TO E US ID NO here Service Indicer Destrice FLOU AL, ILL OUT DHA 4 6 ALL OLOO, Enrice Cortol DHA PROV AL, F J. H. OUT DHA 2 AL TO ACCAMANCE TO SEC. PROV AL, BOH OUT DHA 2 AL TO ACCAMANCE TO SEC. PROV AL, BOH OUT DHA 3 AL STIP PROV AL, BOH OUT DHA 3 AL STIP OUT DHA 3 AL OUT DHA 3 AL STIP OUT DHA 3 AL OUT DHA 3 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 4 AL OUT DHA 5 AL OUT DHA 6 AL OUT DHA 6 AL OUT DHA 7 AL OUT DHA | | MOU | Δ | x a |) E | SE | x_1 | = 1 | ب | | <u>o</u> F | Fā | <u> </u> | <u> </u> | 15 | }_) | | | | | | | | | | | | | | | | | |
| MOV AL AH OUT PMALS AL SUN USSEN NO WAS AR NO have series indice Destron FOR MALL ON MALL OLDO, Enicia contol That OUT DMA 16, AL OLDO, Enicia contol That OUT DMA 12, AL OHARDILIA ENT 3 OUT DMA 12, AL ARRAYAND TORSO MOV AL, BOH OUT DMA 1, AL ARRAYAND TORSO MOV AL, BOH OUT DMA 1, AL ARRAYAND TORSO MOV AL, BOH OUT DMA 1, AL ARRAYAND TORSO THOU AL, BOH OUT DMA 1, AL ARRAYAND TORSO THOU AL, BOH OUT DMA 1, AL ARRAYAND TORSO THOU AL, BOH OUT DMA 1, AL ARRAYAND TORSO THOU AL, BOH OUT DMA 1, AL OUT | | , | | | 1 | , | t ' | | | | | , | ļ | <u> </u> | ļ` | _} | | 20 | h. | ۱. | 7 | 9 | | | | | | | | | | | 1 |
| SHILL Y SSU NO & US AD NO here seeked indice Destron HOU ALIU OUT THAT IS ALL Y OLDO, Enicis control That. HOU AL FAU OUT DYA I, AL - HARRILLS INT 3 OUT DYA I, AL - HARRILLS INT 3 OUT DYA I, AL - ARRANGUE TRAVES HOU AL, BOH ORY SCOOL U OUT HANDIT, AL - I SHOW ALCO GUT HANDIT, AL - I SHOW ALCO GUT HANDIT, AL - I SHOW ALCO GUT HAND AL - OUT PIC AL - I SHOW ALCO END OUT PIC AL AL - I SHOW ALCO OUT PIC ALL THEN THEN THEN OUT PIC ALL THEN THEN THEN OUT PIC ALL THEN THE | | | | | | | | | | | | | | | ļ | | 1 | 5.03 | 2.8 | رم | 1.5 | <u></u> | | | | | | | | | | | |
| SHILL Y SSU NO & US AD NO here seeked indice Destron HOU ALIU OUT THAT IS ALL Y OLDO, Enicis control That. HOU AL FAU OUT DYA I, AL - HARRILLS INT 3 OUT DYA I, AL - HARRILLS INT 3 OUT DYA I, AL - ARRANGUE TRAVES HOU AL, BOH ORY SCOOL U OUT HANDIT, AL - I SHOW ALCO GUT HANDIT, AL - I SHOW ALCO GUT HANDIT, AL - I SHOW ALCO GUT HAND AL - OUT PIC AL - I SHOW ALCO END OUT PIC AL AL - I SHOW ALCO OUT PIC ALL THEN THEN THEN OUT PIC ALL THEN THEN THEN OUT PIC ALL THEN THE | | 1 1 1 | • | | | 1 | AL | | | | | | | ļ | <u> </u> | J | | | | | | | | | v.,,,, | | | | | | | | |
| HOU AL U OUT THAT & CALL OLCO, Ericis CONFOL THAT. OUT OIC + JAL - DHARVID TIT 3 OUT OTA + JAL - DERANGUE TRACE MOU AL BOUL DERANGUE TRACE OUT HAND + 1 AL TRACE THOU AL DERANGUE THOU AL DERANGUE FEBT FEBT | | | | 1_ | | <u></u> | | 1 | | ***** | | | ļ | ļ | ļ | | ļ | | | | 4-7-part 11-4-a | | | | | | | ,mare . w · · · · · | | | | | |
| HOU AL U OUT THAT & CALL OLCO, Ericis CONFOL THAT. OUT OIC + JAL - DHARVID TIT 3 OUT OTA + JAL - DERANGUE TRACE MOU AL BOUL DERANGUE TRACE OUT HAND + 1 AL TRACE THOU AL DERANGUE THOU AL DERANGUE FEBT FEBT | | 5 | 44 | <u>,</u> | <u> </u> | \$5 | 146 | \$ | 70 | > | e | U | <u> </u> | | X P | n_{c} | <u> </u> | 1. | en. | حا | 56 | 1 | id | 5 | 11 | اراء | Ca | | D | est | 7 | 6 | |
| OUT DHA + 6 AL) OLCO, tricis cotol DHA. ITOU A, F 34 OUT PIC +1, AL DHABILIA IN 3 OUT DHA +2, AL DARANGUE TRAGES MOU AL, BOH OUT HAND +3, AL STEP AL, DARANGUE TRAGES OUT HAND +1, AL STEP | | | | | | | | | የኅ | | W | en | | Pe | ci | Fe | 5 | ce | ـــد | | | | | | | are some a vise? | | | | | | | |
| HOU A, FILL DHARMISTON 3 OUT DHATZ, AL DARRAGUE TOSTS MOU AL, BOH OUT HAND 12, AL STE PUT DHA: HOU AL, O OUT HAND 12, AL STE PUT DHA: HOU AL, O OUT HAND 14, AL TO HOU AL, OFFH TO DHA TO D | | 40 | ال | AL | <u> 4</u> | ļ | ļ | 1 |) | | 1 | | 1 | , - | 1 | | 1 | | | | | | | | | | | | | | | | |
| OUT DMA + 2, AL - DARRAIN DE TRATES MOU AL, BOH OUT HAND + 1, AL STE OCG PART, AL PUT DIA: MOU AL, O COT HANDELT, AL TO THE COPE THO AL OF H OUT PIC, AL TO PIC, AL | | 00 | \mathcal{I}_{\parallel} | X16 | 4 | 6 | A | L | _ | O' | LC | 0 | | Er | 710 | 12 | ļ | ω | 1 C | 21 | V | M | 4. | ļ | | | ļ | , | | | | | |
| OUT DMA + 2, AL - DARRAIN DE TRATES MOU AL, BOH OUT HAND + 1, AL STE OCG PART, AL PUT DIA: MOU AL, O COT HANDELT, AL TO THE COPE THO AL OF H OUT PIC, AL TO PIC, AL | | | | | ļ.,. | J | | | | | ļ | | | ļ | [[| | ļ | | | | <u></u> | | ļ | | | a, , a , a | | | | | | | |
| MOU AL, BOH OUT HAND 13, AL STE OUT HAND 13, AL PUT DIA THOU AL O OUT HAND THE, AL TINDE TO DOT DIC 14 AL HOU AL JOHN TREET TREET OUT DIA TREET TREET OUT PIC, AL TREET TREET | | Moy | <u>.</u> | ΔĻ, | F | <u> ,</u> | Н. | ļ | | | | | | <u> </u> | <u> </u> | | ļ | | | | ļ | ļ | | | | | | | | | | | |
| May AL, BOUL ON HANDS A, BU ONT HANDS HALL OND HAND THAT AL ONT HANDS HALL OND HAND THAT AL TO HOW AL OFFIN HISTORY OUT PIC HALL OUT PIC MAL OUT | | OUT | <u> </u> | 'nc' | + 1 | 1,1 | 1L | | ₽. | HA | B | Li. | la. | ᠴ | 7. | | <u> </u> | | | ļ | | ļ | ļ | | | | ļ | | | | | | |
| STE BUT THE THEO AL, O STE BUT THE THEO AL, O CUT HANDEL, AZ STE BUT THE THEO AL, O CUT HANDEL, AZ TENDO DUT SIC SA AL TOUT AL TOU | | OUT | _ D | MA | 4 | 7 | AL | | n. | 10 | 21 | NO | ω | <u> </u> | 15.5 | 57 | e s- | | | | | <u> </u> | | | | | | | | | | | , |
| STE BUT THE THEO AL, O STE BUT THE THEO AL, O CUT HANDEL, AZ STE BUT THE THEO AL, O CUT HANDEL, AZ TENDO DUT SIC SA AL TOUT AL TOU | | | | | -\ | ļ | ļ | ļ | | | <u> </u> | | | ļ | | | ļ | | | <u></u> | <u></u> | | <u> </u> | ļ <u>.</u> | | | <u> </u> | ļ | | | | | |
| STE PLANT PLANT ALL STEPH TANDERS POR PLANT OF PLANT P | | MOU | | | | \mathcal{H}_{-} | ļ | | | ! } | | ļ | ļ | ļ | ļ | | ļ | | | 06 | <u> </u> | - | 20 | CC | L | | ļ | | | | | | |
| OUT HAUSTE, A) FIND ONT PIC AL PROMOPER FRET FRET OUT HAUSTE, A) TINHABILE TINHABILE TINHABILE TOTO OUT PIC AL FRET | | out ! | HA. | 1/1 | 2 + | 1, | 14 | <u> </u> | | <u> </u> | | | ļ | <u> </u> | <u> </u> | | ļ | ļ | ļ | <u> </u> | | - | | | <u> </u> | | | ļ | -1,-2 | | | _ | |
| BOOK MAD A HOUSED A (Tenhabile) HOU AL, CREH (TENHABILE) TOTTO (DIT PIC IA) FRET | | \$72 | | | | .ļ | ļ | ļ | | | | | ļ | | _2 | UT | Y | 14 | | } | 1CA | | £ . | 1 . | ? | ļ | ļ | ļ | | | | | |
| THE STATE OUT PIC A AL PHOLIC PIC AL POLIC PIC PIC PIC PIC PIC PIC PIC PIC PIC P | _ | | | | ļ | ļ | ļ | ļ | ļ | ļ | ļ | ļ | ļ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ļ | | 1 " | 1 | 1 | 1 | 1 | 1 | 1, | 4 | 2_ |) | | | (| 1 |
| THE STATE OUT PIC A AL PHOLIC PIC AL POLIC PIC PIC PIC PIC PIC PIC PIC PIC PIC P | _0 ₂ 0_ | | F1 | مرح | 1 | لا | <u> </u> | ļ | ļ | | | ļ | | | | | ļ | ļ | | | 1 | 1 | 1 | U | | . | ļ | ļ | 1 | Σn | kla | اانوم | e (|
| EVD Mby AL 20H OUT Pic, AL FRET | _ _ _ | | | ≥ 2 | 4 | | ļ | <u> </u> | | <u> </u> | ļ | ļ | ļ | ļ | ļ | ļ | ļ | ļ | | ì | 1 | 1 | 1 | | | 34 | | ļ | -} | Lu | He | 200 | بهنده |
| | | | 9 | | | | | ļ | | | | ļ | | ļ | <u> </u> | ļ | ļ | <u> </u> | | 1 | ì | | 1 | 1 | ł | | 4 | 4 | 1 | 1 | ъq | - mg 6 | ΛC. |
| | | LEND | | | | | | ļ | | ļ | | | ļ | ļ | : } | ļ | | | <u> </u> | E | ł | | , | 7 | 1 | | ļ | | | | | | |
| | | | | | - | <u></u> | | ļ., | <u> </u> | ļ | | | - | <u> </u> | <u>j</u> | <u> </u> | | ļ | ļ | • | ì | } | 111 | 2., | 121 | <u> </u> | | ļ | | ļ | | | |
| | | | | | - | | | ļ | | <u> </u> | | <u> </u> | | | ļ | | ļ | ļ | ļ | F (| ET | - | 1 | | ļ | | | <u> </u> | | ļ | | | ٠ |
| | | | | | - | - | | | | <u> </u> | | <u> </u> | - | | <u> </u> | 1 | | <u></u> | | | | | | | | <u> </u> | ļ <u>.</u> | | | | | | |
| | | | | | +- | | +- | | <u> </u> | ļ | | - | | | ļ | | <u> </u> | ļ | | - | | | +- | | | | | ļ | <u></u> | <u> </u> | | | |
| | | | <u>_</u> | | | - | ļ | | | - | | ļ | ļ | ļ | | | ļ | | ļ | | | | + | - | | | <u> </u> | ļ | | <u> </u> | 1 | | |
| | | | | | | <u> </u> | | ļ | | - | | | <u> </u> | 1 | ì | | | | ļ | ļ | | <u> </u> | + | | 1 | | ļ | <u>L.</u> | ļ | | | | |
| | | | | | - | +- | ļ | ļ | ļ | [| ļ | | | - | ļ | | | ļ | | <u> </u> | ļ | | | | | | ļ | ļ | | | | | |
| | | | | | 4- | - | | ļ | | ļ | ļ,. | | ļ | - | | 1 | | | | | - | - | | - | 1 | ļ | <u> </u> | ļ | \ <u>-</u> | <u> </u> | | | |
| | | | | | - | | 1 | ļ | | į | - | | ļ., | | | | ļ | ļ | | ļ | 1 | ļ | ļ | <u> </u> | ļ | | | ļ | ļ | - | Ļ | | |
| | | | | | | | ļ | ļ | | ļ | ļ | | i | | ļ | | ; | ļ.,,,,,, | - | | ļ | ļ | - | - | | | 1 | <u> </u> | ļ - | | ļ | | |
| | | | | | | - | ļ | <u> </u> | ļ | ļ | | <u> </u> | ļ | - | ļ | ļ | ļ | ļ | | <u> </u> | <u>.</u> | | - | - | | | | - | | | <u> </u> | | |
| | | | | | | - | ļ | ļ | ļ | ļ | ļ | - | | - | | | | - | | ļ | +- | | - | ļ | | | | ļ | ļ | ļ | | | |
| | | | | <u></u> | { | | ļ | | ļ | ļ |] | ļ | ļ | ļ | | ļ | ļ.,, | ļ | - | | | 1 | ļ | ļ | | 1 | ļ | 1 | | ļ | | | |
| | | | ······································ | | | | ļ | ļ | | ļ | ļ | · · · · | 1 | | : : : | · | ļ | : | 1 | ļ | | ļ | | | ļ., | | | 1 | | ļ | į | | |
| ? | | | į. | | 1 | .i | ļ | l | <u>i.</u> | | İ | <u>i</u> | .i | | Ļ | L | .1 | | | | J | i | | | J | L | J | ŧ | | | l | Armij N | |
| ICTA | HOTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |