

捷運馬人一口和一樹林線

壹、前言

捷運萬大-中和-樹林線(簡稱萬大線)全線規劃由捷運中正紀念堂站起,向西經過臺北市中正區南海路、西藏路、萬華區萬大路、新北市中和區中山路、連城路、土城區金城路及樹林地區沿線廊帶後,與捷運中和新蘆線迴龍站相接,路線總長度約22.8公里(含機廠支線),全線採地下及高架型式興建,共設22座車站(11座地下車站、11座高架車站)及1座機廠,採中運量全自動無人駕駛捷運系統設計。

萬大線的興建有助於帶動沿線區域發展,行政院於99年2月12日核定全線,分2期開發, 103年9月23日核定第一期修正財務計畫,107年10月17日核定第二期財務計畫。臺北市政府 擔任地方主管機關,北市捷運局負責全線之規劃、設計與興建,再交由臺北捷運公司營運。

萬大線跨經臺北市及新北市二個不同行政轄區,考量營運調度需求,乃以本線機廠位置 為分期興建之分段點,即:

第一期工程路段:中正紀念堂站(臺北市)-機廠段(新北市土城區金城路),均為地下段,全長約 9.5公里(含機廠支線約0.7公里),共設9座地下車站和I座機廠。預計114年底 完工,完成初履勘作業即可通車營運。

第二期工程路段:機廠(新北市土城區金城路)-迴龍段(新北市新莊區與中和新蘆線迴龍站相接)· 全長約13.3公里(地下段2.8公里/高架段10.5公里)·共設13座車站(2座地下車 站及11座高架車站)。預計117年底完工、完成初履勘作業即可通車營運。



A Brief Introduction to the MRT

Wanda-Zhonghe-Shulin Line Phase I

I. Preface

The MRT Wanda-Zhonghe-Shulin line (Wanda line for short) starts from the Chiang Kai-Shek Memorial Hall Station and then runs westward along Nanhai Road and Xizang Road in Zhongzheng District, and Wanda Road in Wanhua District, Taipei City, Zhongshan Road, Liancheng Road in Zhonghe District, Jincheng Road in Tucheng District, and Shulin District, New Taipei City, and ends at Huilong Station on the Zhonghe-Xinlu line. With a total length of 22.8km (including the depot branch line), the Wanda line consists of both underground and elevated sections. There will be a total of 22 stations (11 underground stations and 11 elevated stations) and one depot through the implementation of an automated medium-capacity transit system.

The construction of the Wanda line is beneficial for driving the development of the areas along the route. Approved by the Executive Yuan on the 12th of February, 2010, the construction of Wanda-Zhonghe-Shulin line is expected to be implemented in two phases. The adjustment of the financial plan for the first phase was approved on the 23rd of September, 2014 and for the second phase on the 17th of October, 2018. While the Taipei City government serves as the local competent authority, the Taipei City Department of Rapid Transit Systems is the authority that is responsible for the planning, design and construction of the line before handing over operations to the Taipei Rapid Transit Corporation. Since the Wanda line runs through two administrative jurisdictions, Taipei City and New Taipei City, the maintenance depot is located at the intersection point of the two-phase construction in consideration of the requirements for operational dispatching:

Phase I Construction Section: The entire section from Chiang Kai-Shek Memorial Hall Station (Taipei City) to the depot (Jincheng Road in Tucheng District, New Taipei City) runs underground with a length of 9.5km long and includes the depot branch line which is approximately 0.7km. It has nine underground stations and one depot. The substantial completion of construction is scheduled in 2025 and the line will begin revenue service upon completion of the final inspection.

Phase II Construction Section: The section from the depot (Jincheng Road in the Tucheng District, New Taipei City) to Huilong section (the interconnecting of the Xinzhuang District, New Taipei City, and Zhonghe-Xinlu line's Huilong Station) is approximately 13.3km long (with a 2.8km underground section and a 10.5km elevated section) and is comprised of 13 stations (two underground stations and 11 elevated stations). The substantial completion of construction is scheduled in 2028 and the line will begin revenue service upon completion of the final inspection.

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貳、第一期路線說明

自捷運中正紀念堂站起,向西沿南海路下方過和平西路後接西藏路轉萬大路,地下穿越果菜市場及新店溪,至新北市永和區保順路、保生路轉中和區中山路、連城路到土城區金城路,在金城路北側的農業區設置機廠及一座支線車站(鄰莒光路),全長約9.5公里(含機廠支線約0.7公里),共設9座地下車站和1座機廠。

II. An Illustration of the Wanda-Zhonghe-Shulin Line Phase I

The first phase of construction for the Wanda-Zhonghe-Shulin line starts from the Chiang Kai-Shek Memorial Hall Station on the Xindian line and then runs westward beneath Nanhai Road, Heping West Road, Xizang Road, and Wanda Road before crossing under the Taipei First Fruit & Vegetable wholesale Market and the Xindian River to reach Baoshun Road and Baosheng Road in Zhonghe District, New Taipei City. The line then continues to Zhongshan Road and Liancheng Road and eventually ends at Jincheng Road in Tucheng District. A depot and a branch line station (near Juguang Road) will be set up in the agricultural zone on the north side of Jincheng Road. The route is 9.5km long (including the 0.7-km-long depot branch line) and includes nine underground stations and one depot.





參、萬大線第一階段路線車站站名及位置一覽表

III. Station Descriptions

車站別 Code	車站名稱 Station	位 置 Location	交會轉乘路線 Transfer
LG01	中正紀念堂站 Chiang Kai-Shek Memorial Hall Station	羅斯福路西側之南海路下方 Beneath Nanhai Road on the west side of Roosevelt Road	與淡水信義線及松山新店線轉乘 Connects with the Tamsui-Xinyi line and the Songshan-Xindian line
LG02	植物園站 Taipei Botanical Garden Station	和平西路口東側之南海路下方 Beneath Nanhai Road on the east side of Heping West Road intersection	
LG03	廈安站 Xiaan Station	中華路東側之西藏路下方 Beneath Xizang Road on the east side of Zhonghua Road	
LG04	加蚋站 Kalah Station	長泰街與東園街間之萬大路下方 Beneath Wanda Road between Changtai Street and Dongyuan Street	
LG05	永和永平國小站 Yonghe Yongping Elementary School Station	永平國小前之保生路下方 Beneath Baosheng Road in front of the Yongping Elementary School	
LG06	中和站 Zhonghe Station	景平路西側之連城路下方 Beneath Liancheng Road on the west side of Jingping Road	與環狀線中和站轉乘 Transfers to the Zhonghe Station o the Circular line
LG07	連城錦和站 Liancheng Jinhe Station	錦和路東側之連城路下方 Beneath Liancheng Road on the east side of Jinhe Road	
LG08	中和高中站 Zhonghe Senior High School Station	員山路西側之連城路下方 Beneath Liancheng Road on the west side of Yuanshan Road	
LG08A	宫光站 Juguang Station	莒光路南側捷運機廠用地内 Inside the depot site on the south side of Juguang Road	

肆、車站站名及位置

IV. Name and Location of the Stations

● 中正紀念堂站

完工後本站將成為三線交會轉乘站,為地下 2層島式月台車站,設有2處出入口、2座無 障礙電梯、2座通風口。

Chiang Kai-Shek Memorial Hall Station

This station will become a transfer station for three lines after the construction is completed. It is a two-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.

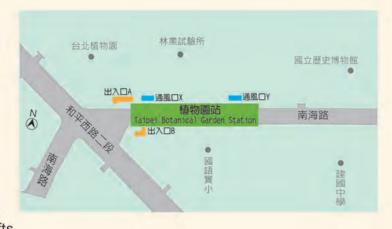


●植物園站

位於林業試驗所及國語實小前,為地下3層 島式月台車站,設有2處出入口,2座無障 礙電梯·2座通風口。

Taipei Botanical Garden Station

Located in front of the Taiwan Forestry Research Institute and Taipei Mandarin Experimental Elementary School, it is a three-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.



○廈安站

為地下2層島式月台車站,設有2處出入口, 2座無障礙電梯,2座通風口。

O Xiaan Station

It is a two-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.



● 加納站

為地下3層島式月台車站,設有4處出入口, 2座無障礙電梯,2座通風口。

Kalah Station

It is a three-level underground station with island platforms, four entrances/ exits, two obstacle-four elevators, and two vent shafts.



● 永和永平國小站

位於永平國小前之保生路下方,為地下3層 島式月台車站·設有2處出入口、1座無障 礙電梯、2座通風口。

Yonghe Yongping Elementary School

Located beneath Baosheng Road in front of the Yongping Elementary School, it is a three-level underground station with island platforms, two entrances/exits, one obstacle-free elevator, and two vent shafts.



●中和站

為地下4層疊式月台車站,設有2處出入口、 2座無障礙電梯、2座通風口。可與環狀線中 和站轉乘。

Zhonghe Station

It is a four-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts. Passengers can transfer to the Circular line from this station.



●連城錦和站

為地下3層島式月台車站,設有2處出入口、 2座無障礙電梯、2座通風口。

Liancheng Jinhe Station

It is a three-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.



●中和高中站

為地下2層島式月台車站,設有2處出入口, 2座無障礙電梯、2座通風口。

Zhonghe Senior High School Station

It is a two-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.



●莒光站

為地下2層島式月台車站,設有2處出入口、 2座無障礙電梯、2座通風口。

Juguang Station

It is a two-level underground station with island platforms, two entrances/exits, two obstacle-free elevators, and two vent shafts.



伍、車站建築造型與公共藝術

萬大線第一期工程設計主題為【綠·律】

【綠】強調捷運的建設將引領大臺北地區,因減少排碳,而邁向綠色的生態城市,【律】提示了本線各站分布的區域,涵蓋了都會、水岸及丘陵串連了不同自然與人文環境的律動。希望以綠建築的各項指標、綠地圖(Green Map)等實際作法來反映萬大線沿線的律動內容。

● 公共藝術

捷運藝術在【綠·律】主題架構下,融合發展各車站建築設計之特色主題,並依地緣性或人文特色等,各站選擇代表性植物或以色彩、或以形狀(實體、抽象)等,呈現於車站建築裝修內,並統一表現於站體內穿堂層區隔付費區與非付費區之護欄處,以及軌道側牆藝術牆版,藉以加強自明性並呼應萬大線捷運藝術主題。



▲ 草大螅山正紀令党站空党區

▼ Concourse of Chiang Kai-Shek Memorial Hall Station on the Wanda Line

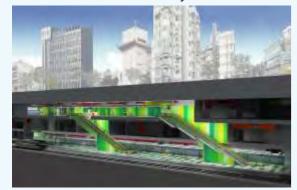


V. Station Architectural Features and Public Art

"Green Rhythm" is the theme of the design for the first phase of construction of Wanda line. Emphasizing the reduction of carbon emissions, the idea of "Green" signifies that the MRT construction will lead the Greater Taipei area to becoming an eco-friendly city. The idea of "Rhythm" implies the distribution areas of each station along the Wanda line, covering the metropolis, waterfront, and hills, that links the movements of diverse natural and cultural environments. The contents of rhythm along the Wanda line are expected to be reflected through the practice of green mapping and the norms of green buildings.

Public Art

According to the theme of "Green·Rhythm", the art of MRT creates distinctive design themes of architecture at each station. Blending with regional or cultural features, a representative plant will be selected for each station, and it will be presented in particular colors or shapes (substantial or abstract) and within the architectural design of the station. It will also be uniformly displayed at the guard rail on the concourse level inside the station to highlight the difference between paid areas and unpaid areas and on the art board of the sidewall of the track to enhance identity and reflect the artistic theme of the Wanda line.





◀ ▲ 加蚋站 Kalah Station

●中正紀念堂站

※設計主題:本站周邊有中央銀行、財政部、 勞保局、自由廣場、南門市場,還有2處國定 古蹟:國立臺灣博物館南門園區及臺灣菸酒股 份有限公司。以【臺北浮世繪】為主題,表現 「常民的生活」意象。

O Chiang Kai-Shek Memorial Hall Station

Design Theme: The station is surrounded by the Central Bank, Ministry of Finance, Ministry of Labor, Liberty Square, Nanmen Market, and two national monuments--



National Taiwan Museum Nanmen Park and Taiwan Tobacco & Liquor Corporation. The theme is based on "Images of the Floating World in Taipei", which depict the ordinary life of Taipei citizens.

◎植物園站

※設計主題:本站位於以植物園為中心的南海學園,是一座蓋在歷史遺址裡的車站,車站基地沿南海路多為歷史文化古蹟及文教區。以【記憶臺北】為主題,將文化遺址及植物園的元素融入空間中,並設置文化遺址展示區,呈現本站區位在臺北文化歷史的特殊性。因植物園荷花池是市民重要的記憶場所,故選擇「荷」為象徵植物。

Taipei Botanical Garden Station

Design Theme: Located in the Nanhai Academy, which is around the Taipei Botanical Garden, the station is built inside a historic site. Constructed along Nanhai Road, the station base is mostly formed by historical and cultural monuments and cultural districts. The theme is based on the "Recollection of Taipei" while the element of cultural heritage sites and the botanical garden is blended into the space, together with the exhibition area of the cultural heritage site to display the particularity of the station's location in the history and culture of Taipei City. Since the lotus pond inside the botanical garden is an important reminiscent landmark for Taipei citizens, "lotus" has been chosen as the symbolic plant for this station.





○ 廈安站

※設計主題:本站鄰近「南機場夜市」、忠義國小,位於住宅密集區、空間緊湊、以【樂活臺北】為主題、以形體及視覺輕量化之車站建築設計之、並以明亮活潑的感覺為出發點、於垂直動線之設施的立面運用鮮明輕快的色彩。透過色彩及漸層之韻律感展現空間之樂活情調。

Xiaan Station

Design Theme: Located in a high-density residential area adjacent to the Nanjichang Night Market and Zhongyi Elementary School, the station is compact. The theme is based on "Lohas Taipei" while the architectural design of the station is based on the creation of lightweight visual effects. Using vivid and lively impressions as the starting point, bright colors are applied to the elevation of the vertical traffic facilities. Lohas lifestyle in space is created through





a sense of rhythm performed by hues and gradients.

○ 加蚋站

※設計主題:本站位於萬華西南的東園生活區,附近有臺北市果菜批發市場等,車站設計概念源自觀察本站自然與人文獨特之處,匯集出【多彩捷奏-蔬果狂想曲】,讓車站結合蔬果彩色的概念,設計以蔬果般明亮色彩之外露天花管線及色彩牆面,並挑選加蚋三寶(茉莉花、麻竹筍、豆芽菜)反映地緣特色。



Design Theme: Located in the Dongyuan community, the station is nearby the Taipei First Fruit & Vegetable Wholesale Market in the southwest of Wanhua District. The design theme is based on "Colorful MRT Rhythm - Fruit and Vegetable Rhapsody" which originates from the observation findings





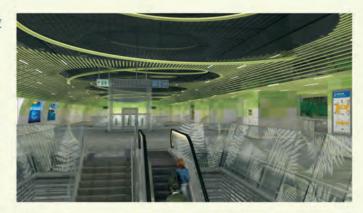
of the natural and cultural uniqueness of the station, and the concept of dazzling colors of fruit and vegetables has been incorporated into the architectural design of station. The geological characteristics reflected by the design can be seen on the exposed ceiling pipelines and the color walls painted with colors that are as brilliant as fruits and vegetables with the grasp of the three treasures of Kalah (jasmine flowers, ma bamboo shoots, and bean sprouts).

○ 永和永平國小站

※設計主題:本站鄰永平國小及仁愛公園、設計以從整合及擴充學校的綠色環境概念出發、引入地下植物園、置入有高度的採光通風天井、導入自然光線和通風、重塑一個可以自然呼吸的站體。以【綠意新生】為主題、透過植生綠牆系統建立、達到環保節能之效果、站體建築設計材料、運用種種生活產物、注入回收與再生等概念、引入日夜光源變化之樂趣。

Yonghe Yongping Elementary School Station

Design Theme: Located adjacent to the Yongping Elementary School and Renai Park, the station is designed based on the concept that is derived from the integration and expansion of green environments in schools. An underground botanical garden has been introduced and an elevated ventilation shaft has been built there for natural light and ventilation, while a structure





has been reconstructed that can respire naturally. The theme is based on the "Regeneration of Greenery" while the effect of environmental protection and energy saving is achieved through the establishment of the vertical garden. A wide variety of living products are used as the design materials to develop the notion of recycling and regeneration and introduce the pleasure brought by the variations of light sources during the day and at night.

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●中和站

※設計主題:本站附近有許多大賣場及購物中心,為熱鬧的新興商業與購物區,以【生活律動】為主題,將熱絡的商業活動與當地社區及眷村特色生活文化融入簡潔、節能的建築設計中。

Zhonghe Station

hypermarkets and shopping malls, the station is located in a prosperous business and shopping district. The theme is based on the "Rhythm of Life" while lively commercial activities and the special living culture of the local community and military housing have the station been integrated into the concise and eco-friendly design of the building.



• 連城錦和站

※設計主題:本站鄰近遠東科學園區及中和工業區,以【產業律動】展現產業轉型的力量。 引進自然光源及綠意的型塑,展現環境與人的互動關係。

Liancheng Jinhe Station

Design Theme: Located adjacent to the Far Eastern Science Park and the Zhonghe Industrial Area, the station demonstrates the power of industrial transformation based on the "industrial movement." The station also presents an interactive relationship between humans and the environment by introducing natural lighting and greenery.







• 中和高中站

※設計主題:本站近嘉穗公園,擁有豐富的自然資源,以自然山林的【生態律動】為內容,呼應全線生活博物館的概念。公共藝術以花、鳥、植物、昆蟲等自然生態為主要內容,強調人與自然生態的連結,以藝術來彰顯對於物種的尊重、環境的變遷等主題。

Zhonghe Senior High School Station

Design Theme: Located close to Jiashui
Park, the station possesses abundant natural
resources and reflects the idea of a living
museum throughout the entire line, which is
based on the natural mountain forestry
concepts of the "Rhythm of Ecology." Featuring
flowers, birds, plants, and insects, the public
art emphasizes the connection between
humans and the ecosystem and gives
prominence to showing respect for species
and environmental change through artistic
manifestations.







● 莒光站

※設計主題:本站鄰近中和之員山,緊臨農地景觀及保護區,設計主題【和·合】,以圓弧延伸造型融合整體天際線並建立當地特色性建築為目標,並象徵拉近人與人、城市與城市間的距離。本站圓融接合意象。其中藝術光牆並將植物意象轉化為簡單抽象有機線條,呈現端點光牆的律動感,呼應萬大線主題【綠·律】



Juguang Station

Design Theme: Located adjacent to Yuanshan in the vicinity of the agricultural zone and conservation area in Zhonghe District, the design concept for the Juguang Station revolves around "Harmony and Integration" which aims to merge the integral skyline based on an extensive circular arc shape and to build a local characteristic structure. Symbolizing a close relationship among human beings and cities, the image of resilience and connection is fully manifested. The artistic light wall within transforms the imagery of plants into simple, abstract organic lines to express the rhythmic sensation produced by the light wall at the corner point, reflecting "Green-Rhythm", the major theme of the Wanda line.







六、金城機廠

為地下儲車之全功能機廠,位於土城區延壽路以東、金城路北側及中和區莒光路南側之間, 設有儲車廠、維修工廠、管理中心及變電站等,可停駐36列電聯車,提供萬大線全線調度與列車 測試、維修與保養等服務。

VI. Jincheng Depot

Jincheng Depot is an underground stabling yard and designed with full maintenance function. It is located in the area eastern to Yanshou Road and northern to Jincheng Road in Tucheng District, southern to Juguang Road in Zhonghe District. The site's facilities include a stabling yard, a maintenance workshop, an administration center, and a power supply substation. It has the capacity for 36 electric train cars, serving the needs of dispatching, testing, and maintenance for all trains running on the Wanda line.



▲ 金城機廠施工現況Construction status of Jincheng Depot



七、工程特色及預期效益

工程特色

萬大線第一期工程行經臺北最早開發的地區·施工時必須面對道路狹窄、住宅密集、管線多、 考古與文化遺址搶救、古河道排水箱涵、穿越新店溪、小轉彎半徑及深度開挖等工程挑戰。

預期效益

萬大線第一期工程沿線配合老舊市區再發展策略,促進都市更新推動,帶動地區繁榮。完工 通車後,除擴大捷運系統服務範圍,紹解臺北都會區地面交通之壅塞外,亦可滿足臺北市中正區 、萬華區、新北市永和區、中和區及土城區沿線旅運需求,並與捷運淡水信義線、松山新店線、 環狀線等交會轉乘,發揮雙北市整體運輸效益。另配合捷運建設計畫於沿線進行共構土地開發, 將帶動沿線都市再生與發展,並連結臺北市西區門戶計畫,創造雙北共榮的經濟生活圈。

臺北捷運萬大-中和-樹林線「植物園站」

位於林業試驗所與國語實小間的南海路下方, 是一座蓋在歷史遺址(植物園遺址)裡的車站, 為妥善維護古蹟,保存珍貴文化資產,特將 站體設計縮到最小,是臺北捷運站體規模最 小的車站,並且將遺址的文化元素納入車站 建築設計主題中。

Taipei MRT Wanda-Zhonghe-Shulin Line Taipei Botanical Garden Station

Located below Nanhai Road between the Taiwan Forestry Research Institute and Taipei Mandarin Experimental Elementary School, the station is to be built within Taipei Botanical Garden ruins. In order to properly maintain the historical remains and preserve the cultural heritage, the station design has been minimized. Therefore, it is the smallest of the Taipei MRT stations, and cultural elements of the site have been incorporated into the architectural design.





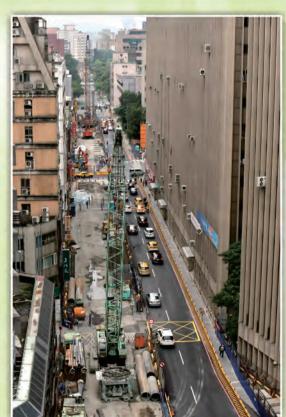
VII. Construction Features and Estimated Benefits

Construction features

Since the first phase of the construction of the Wanda line runs through the earliest developed areas in Taipei, the challenges encountered during the construction include narrow roads, high-density housing, pipelines, the rescue of archaeological and cultural sites, the drainage box culverts of the ancient stream channel, the Xindian River, a small turning radius, and deep excavation.

Estimated Benefits

The first construction phase of the Wanda line incorporates the redevelopment strategies of the old urban area to boost the implementation of urban renewal and promote local prosperity. In addition to expanding the range of services of the MRT system that alleviates traffic congestion around the Taipei Metropolitan Area after the completion of the construction and the opening for operations, the Wanda line can also bring overall transport benefits to Greater Taipei by meeting the travel demands of Zhongshan District and Wanhua District in Taipei City, Yonghe District, Zhonghe District, and Tucheng District in New Taipei City along the route and providing transfer stations that allow passengers to change to the MRT Tamsui-Xinyi line, the Songshan-Xindian line, and the Circular line. In cooperation with the MRT construction plan, land development along the route, and plans for the Western Gateway Development Project will also be carried out to encourage urban renewal and city development, and to create co-prosperous economic living in Taipei City and New Taipei City.





▲植物園站潛盾隧道施工 Shield tunneling construction at Taipei Botanical Garden Station

中正紀念堂站施工 Construction at Chiang Kai-Shek Memorial Hall Station



捷運系統施工期間,您如有任何疑問或權益受到損害時,請向臺北市 政府捷運工程局直接反映,本局將竭誠為您服務,並歡迎透過本局網 站 www.dorts.gov.taipei 查詢施工現況及工程資訊。

Should you have any questions or feel that your rights are affected during the construction, please contact the Taipei City Department of Rapid Transit Systems (DORTS). You are also welcome to visit DORTS' website at www.dorts.gov.taipei for latest construction information.

萬大線第一期工程施工單位 Wanda Line Phase I Construction Unit

夏安站 Xiaan Station

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Zhonghe Station

連城錦和站

中和高中站 School Station

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